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OFFICIAL ORGAN OF THE NORTHWEST FRUIT GROWERS ASSOCIATION

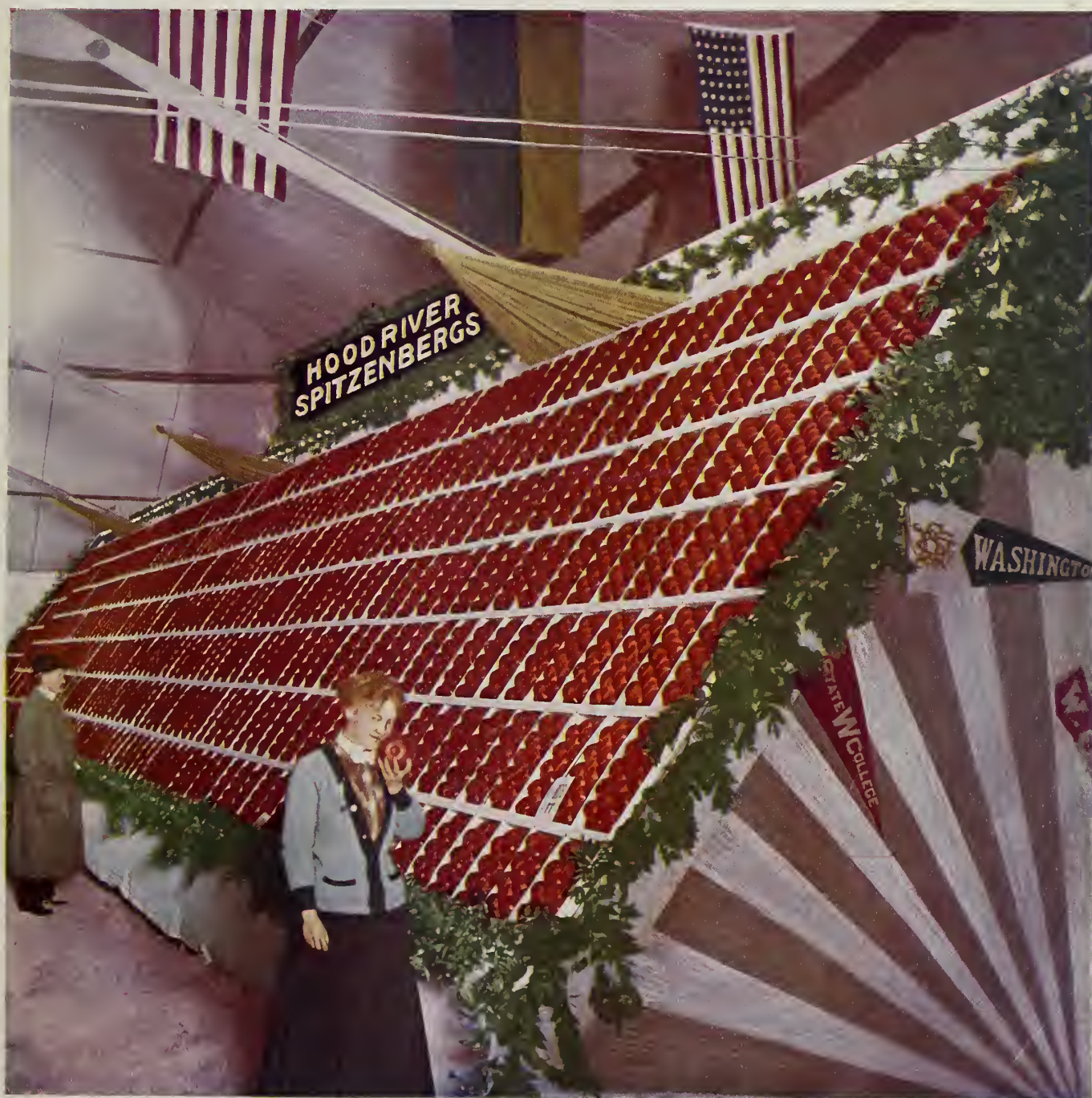
VOLUME FIVE

NUMBER SEVEN

10 CENTS
A COPY DOLLAR A YEAR

BETTER FRUIT

JANUARY 1911—APPLE SHOW EDITION



CHAMPIONSHIP CAR AT NATIONAL APPLE SHOW, SPOKANE, 1910

Winning \$1000 cash prize for best carload exhibited, \$250 cash prize for best car of Spitzenbergs, and solid silver cup given by the Chicago Association of Commerce for best packed car. Grown, packed and exhibited by C. H. Sproat, Hood River, Oregon, Manager Hood River Apple Growers' Union

PUBLISHED BY BETTER FRUIT PUBLISHING COMPANY, HOOD RIVER, OREGON

These artistic and beautiful pictures were photographed from the *real thing* and represent the

Magnificent Spitzenbergs

and the

Superb Yellow Newtowns

As They are Grown and Packed at Hood River, Oregon

AT THE NATIONAL APPLE SHOW, SPOKANE—Hood River won the Sweepstakes \$1000 cash prize for the best carload of apples, score 99.7, there being 22 carloads in competition. The \$250 cash prize for the best carload of Newtowns, score 98.8. The \$250 cash prize for the best car of Spitzenbergs, score 99.7. The solid silver \$500 trophy cup given at the National Apple Show, Chicago, for the best packed car, also the silver plate for the best carload of Newtowns given by Garcia Jacobs & Co., London, England. All these cars were grown by members of the Hood River Apple Growers' Union.



High class and high priced people demand high class and high priced apples and the *Hood River Apple Growers' Union* can supply the goods

*Pack
Unequalled and
Quality
Guaranteed*



NEWTOWNS AND SPITZENBERGS

*For Further Information
Write the*

**Hood River Apple
Growers' Union**

Hood River, Oregon

Own an Irrigated Fruit Orchard

in the famous

Bitter Root Valley

And Provide an Annuity for Old Age

We will plant and take care of the land during the growing period, turning over to you a bearing orchard, which will thereafter yield a competence for life. Easy terms

Send for Literature

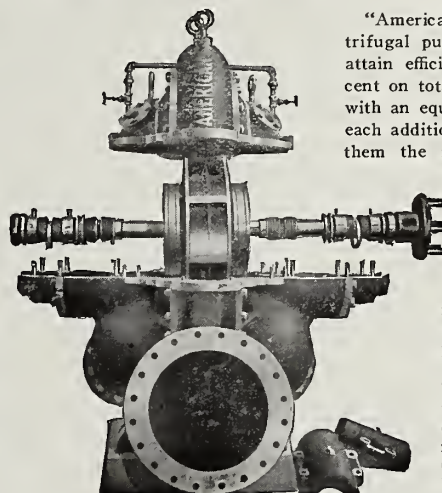
Bitter Root Valley Irrigation Co.

Hamilton, Montana

First National Bank Building, Chicago

All the Grand Prizes and All the Gold Medals
Given by the Alaska-Yukon-Pacific Exposition at Seattle
last summer to pumps were awarded to

"AMERICAN" PUMPING MACHINERY



"American" single stage centrifugal pumps are guaranteed to attain efficiencies of 60 to 80 per cent on total heads up to 125 feet, with an equal increase in head for each additional stage, which makes them the most economical pump made for irrigation purposes.

"American" centrifugals are made in both horizontal and vertical styles, in any size, in any number of stages, and are equipped with any power.

Write for "Efficiency Tests of American Centrifugals," by the most eminent hydraulic engineer on the Pacific Coast. Complete catalogue, No. 104, free.

The American Well Works

General Office and Works: Aurora, Illinois, U. S. A.
Chicago Office: First National Bank Building

PACIFIC COAST SALES AGENCIES:

70 FREMONT STREET, SAN FRANCISCO
341 SOUTH LOS ANGELES STREET, LOS ANGELES
SECOND AND ASH STREETS, PORTLAND, OREGON
1246 FIRST AVENUE SOUTH, SEATTLE
305 COLUMBIA BUILDING, SPOKANE

Irrigation is King—

and the King of all Apples is grown in

Spokane Valley

We received "THREE FIRST PRIZES" at the Third Spokane National Apple Show, held in Spokane November, 1910, which is conclusive evidence that we produce as high grade apples as are produced anywhere in the Northwest.

In addition to this, we have an ideal climate, best of transportation, and in view of the fact that our properties are located two and a half to twelve miles from the Queen City of the Inland Empire, "SPOKANE," with a population of over one hundred thousand, affording unexcelled markets, with very best social and educational advantages, this should appeal to anyone looking for a comfortable as well as a profitable home.

Why not invest in land with all these advantages, obtainable for less money than can be bought in other districts.

Write for Booklet, "Trip Through the Spokane Valley."

Spokane Valley Irrigated Land Co.

Incorporated

NO. 401 SPRAGUE AVENUE

SPOKANE, WASHINGTON

NORTHWESTERN FRUIT EXCHANGE

Executive Offices: 908, 910, 911, 912 Spalding Building
Portland, Oregon

A Federation of Local Fruit Growers' Associations in
the States of Oregon, Washington, Idaho and Montana

PURPOSE: To obtain for the fruit growers of the Pacific Northwest the utmost possible measure of money returns for their products.

PRINCIPLES: Securing for its membership the advantages of modern, scientific salesmanship, and a high order of business ability in the marketing of the fruits, through employment by the **united** body of the most competent and thoroughly trained talent available.

Economy in cost of marketing, through distribution of operating cost over a large volume of business, thus reducing to a minimum the cost per package to the individual.

Knowledge of the operation of the laws of supply and demand, which determine true value, and of the peculiarities of every market of the **world**, thereby avoiding many costly mistakes.

Development of New Markets, at home and in foreign countries, and the broadening of the demand for Northwestern fruits. The maintenance of the enviable reputation of our fruits for peerless quality in markets where they are already known, and their introduction and persistent upbuilding in markets where they are unknown.

The Establishment of Uniform Grades which will furnish a **standard** of value, thereby avoiding the present deplorable uncertainty and confusion on the part of the rank and file of the buying trade and enabling the fruit to be accurately and intelligently described to the **absent buyer**.

Through insistence on the part of its local associations of the observance of the grading rules, and the use of a standard and well filled package, to cultivate that **confidence** on the part of the buying trade which makes for stability of the market and the avoidance of the wild fluctuations which arrest consumption and unsettle confidence.

The Protection of the Relatively Defenseless Individual by the formidable strength of **union** in dealing with occasional unscrupulous or irresponsible buyers and in their relations with the **railroads** in matters of equitable rates, improved schedules, payment of just claims and other matters where the weight of a united and influential body assures results impossible where each man, or each district, works alone.

In General, the employment of the "machinery" of the **Exchange** wherever united strength can promote the general good of the industry.

THE POLICY OF THE EXCHANGE: Scrupulous handling of the growers' fruits and funds; the sales records of the **Exchange** are **wide open to any fruit grower at any time**.

The **encouragement and support of existing local associations**.

The assistance in the formation of new local associations where they are needed.

The **Exchange** invites the management of local associations and fruit growers generally to **examine its records of f.o.b. sales** during the season of 1910—and invites conferences looking to affiliation with the **Exchange**.

The **Exchange** also invites applications for aid in organizing new local associations, and will freely assist in this great, necessary, fundamental work.

The **Exchange** has published a booklet dealing briefly with its history and its purpose, and will gladly send it to anyone who may be interested.

NORTHWESTERN FRUIT EXCHANGE

D. CROSSLEY & SONS

Established 1878

APPLES FOR EXPORT

California, Oregon, Washington, Idaho and Florida fruits. Apples handled in all European markets. Checks mailed from our New York office same day apples are sold on the other side. We are not agents; we **sell apples**. We make a specialty of handling **APPLES, PEARS AND PRUNES** on the New York and foreign markets. Correspondence solicited.

200 to 204 FRANKLIN STREET, NEW YORK

LIVERPOOL

NEW YORK

BOSTON

GLASGOW

Gibson Fruit Company

Not Incorporated

*Wholesale Commission
Shippers' Marketing Agents
Fruit and Produce*

Our Own Cold Storage Plant on Premises

131 South Water Street

CHICAGO, ILLINOIS



*Best Service and Protection is Secured by Dealing
with Members of the*

**NATIONAL LEAGUE OF
COMMISSION MERCHANTS
OF THE U. S. A.**

AN ORGANIZATION OF RELIABLE AND RESPONSIBLE RECEIVERS IN TWENTY-EIGHT MARKETS FOR FREE DIRECTORY OF MEMBERS, WRITE R. E. HANLEY, PUB. MGR., BUFFALO, NEW YORK

SIMONS, SHUTTLEWORTH & CO.

LIVERPOOL and MANCHESTER

SIMONS, JACOBS & CO.
GLASGOWJ. H. LUTTEN & SON
HAMBURGOMER DECUGIS ET FILS
PARISGARCIA, JACOBS & CO.
LONDON**European Receivers of American Fruits***For Market Information Address:*Simons, Shuttleworth & French Co.
204 Franklin Street, New YorkWalter Webling
46 Clinton Street, BostonJohn Brown
Brighton, OntarioIra B. Solomon
Canning, Nova ScotiaWm. Clement
Montreal, QuebecD. L. Dick
Portland, Maine**OUR SPECIALTIES ARE APPLES AND PEARS****LINDSAY
& CO. LTD.****Wholesale Fruits**

HELENA, MONTANA

*Established in Helena Quarter of a Century*Branch houses: Great Falls, Mis-
soula and Billings, Montana**Ryan & Newton
Company****Wholesale Fruits & Produce**

Spokane, Washington

We have modern cold stor-
age facilities essential for the
handling of your products*Reliable Market Reports***PROMPT CASH RETURNS****Pearson-Page Co.**131-133 Front Street
PORTLAND, OREGON*Superior facilities for handling***PEACHES
APPLES AND
PEARS****Solicit Your Consignments***Reliable Market Reports Prompt Cash Returns***Rae & Hatfield**

317 Washington Street, New York

Largest Handlers of Pacific Coast Fruits in the EastREPRESENTING THE FOREMOST WESTERN SHIPPING COMPANIES AND ASSOCIATIONS
ON THE NEW YORK MARKET*Operating in All Producing Sections***Reliable****Experienced****Prompt****APPLES WANTED**

Parties desirous of a first-class connection in the Chicago market for the handling of box apples and other fruit are invited to correspond with us. Our location is one of the best in Chicago. Our facilities for disposing of apples and other fruit are unsurpassed. Our responsibility is above question. Write or wire us what you have to offer.

COYNE BROTHERS

The House that "Gets there"

161 South Water Street, CHICAGO

IF YOU WANT TO
MARKET YOUR

FRUIT

RIGHT

ALWAYS SHIP TO

W. B. Glafke Co.

WHOLESALE FRUITS
AND PRODUCE

108-110 Front Street
PORTLAND, OREGON

W. H. DRYER

W. W. BOLLAM

DRYER, BOLLAM & CO.

GENERAL COMMISSION MERCHANTS

128 FRONT STREET

PHONES: MAIN 2348
A 2348

PORTLAND, OREGON

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WHOLESALE

FRUITS & PRODUCE

Commission Merchants

SOLICIT YOUR CONSIGNMENTS

Top Prices and Prompt Returns

PORTLAND, OREGON

Correspondence Solicited

RYAN & VIRDEN CO.

BUTTE, MONTANA

Branch Houses:

Livingstone, Billings, Sheridan,
Montana; Lewiston, Idaho

Wholesale Fruit and Produce

WE HAVE MODERN COLD STORAGE FACILITIES
ESSENTIAL FOR HANDLING YOUR PRODUCTS

*A strong house that gives reliable market
reports and prompt cash returns*

The Old Reliable
BELL & CO.

Incorporated

WHOLESALE
FRUITS AND
PRODUCE

112-114 Front Street
PORTLAND, OREGON

Richey & Gilbert Co.

H. M. GILBERT, *President and Manager*

Growers and Shippers of

YAKIMA VALLEY FRUITS
AND PRODUCE

Specialties: Apples, Peaches,
Pears and Cantaloupes

TOPPENISH, WASHINGTON

FAMOUS HOOD RIVER

APPLES

Spitzenbergs, Newtowns, Jonathans,
Arkansas Blacks, Ortleys, Baldwins,
Winesaps, R. C. Pippins, Ben Davis,
M. B. Twigs

Look Good, Taste Better, Sell Best

Grade and Pack Guaranteed

Apple Growers' Union

Hood River, Oregon

Mark Levy & Co.

COMMISSION
MERCHANTS

WHOLESALE FRUITS

121-123 FRONT AND
200 WASHINGTON ST.
PORTLAND, OREGON

T. O'MALLEY CO.

COMMISSION MERCHANTS

Wholesale Fruits and Produce

We make a specialty
in Fancy Apples, Pears and
Strawberries

130 Front Street, Portland, Oregon

SGOBEL & DAY

Established 1869

235-238 West Street

NEW YORK

Strictly commission house. Specialists in apples,
pears and prunes. Exporters of Newtown Pippins
to their own representatives in England

QUALITY
QUALITY
QUALITY

Ship Your APPLES and PEARS to the Purely Commission and Absolutely Reliable House

W. DENNIS & SONS LIMITED

COVENT GARDEN MARKET
LONDON

and

CUMBERLAND STREET
LIVERPOOL

DO NOT ARRANGE FOR THE
MARKETING OF YOUR NEXT
SEASON'S CROP, UNTIL YOU
LEARN ALL ABOUT THE

Produce Reporter Company AND ITS SYSTEM

It is not a selling agency, but it equips you to do your own business at the minimum expense and with the maximum safety.

No matter even if you should place your crop through some marketing agency, you ought to keep posted on that agency or that "distributor," and you should know to whom your goods go, and insist upon their being placed with or sold to reliable traders. **That is a duty that you owe yourself.**

It is impossible in the limited space of this advertisement to go into your great problem of successful marketing, but your investigation of this subject will not be complete unless you get the printed matter of this organization. It will cost you but a moment of your time and two cents postage to ask for it, and it may make or save you several hundred dollars next season.

Produce Reporter Company

34 South Clark Street

Chicago, Illinois

A SPLENDID OPPORTUNITY

To secure a giltedge Apple Orchard in the
World's Greatest Apple District

PAJORA VALLEY, CALIFORNIA

Owing to unavoidable circumstances the owner offers her orchard, located 7 miles from Watsonville, California, Corralitos district, at a great sacrifice. 51.65 acres; 3,785 trees, 6 to 9 years old; 826 Bellflowers, 1,140 Newtowns, 1,219 Spitzenbergs, balance assorted. This year's crop 10,500 packed boxes. Four-room house, packing house, blacksmith shop, barn and wagon house, 6,000-gallon cement tank, horses, harness, trucks, wagons, engine, spray outfits, tools, etc. Price \$16,000. A little over \$300 an acre. Orchards in same class are bringing not less than \$500 an acre.

For full particulars and photos of
this and other good buys, write

Farm & Forest Realty Company

WATSONVILLE, CALIFORNIA

NEW ORLEANS

IMPORTERS
JOBBER

Wholesale
Commission

The Acknowledged Fancy
Fruit House of New Orleans

LAUX & APPEL

The
House YOU Want

All Fruits in Season

STORAGE FOR
FIFTY CARS

MCEWEN & KOSKEY

Wholesale Fruit and Produce
and General Commission
Merchants

129 Front Street, Portland, Oregon

CONSIGNMENTS

Are solicited, all your shipments
receiving our personal attention

OPPORTUNITY

IN THE FAMOUS SPOKANE VALLEY

Every foot of land at OPPORTUNITY is capable of cultivation and will produce the highest grade of fruits which readily sell for the highest prices.

Not only is it a splendid orchard project, but a most attractive proposition for the home-seeker and home-builder. Here are electric lights, telephone service, railroad facilities, schools, churches, etc. Water for irrigation purposes and domestic use piped to each tract

Our Guarantee to Investors

If you have not the time or inclination to plant and develop an orchard yourself, we will have our expert horticulturist plant an orchard for you to the best varieties of fruit, taking entire charge of it until it comes into bearing, and then turn over an orchard which is an income bringer right from the start.

If, at the expiration of four years you are not satisfied with your investment, WE WILL REFUND YOUR MONEY WITH SIX PER CENT INTEREST. This eliminates all financial risk on your part and makes your investment absolutely secure

This proposition is worth your further investigation. Our guarantee is absolutely good, as we are financially responsible, and can carry out all our plans for planting this land in orchards

References: Old National Bank and Traders National Bank, Spokane, Washington.

Modern Irrigation and Land Company

P. A. SUMMERLAND, General Sales Agent

326 First Avenue

Spokane, Washington

Gentlemen: Please send me booklet
on Opportunity.

Name

Address

320 Acre Planted Apple Orchard

FROM ONE TO FOUR YEAR OLD, (STANDARD VARIETIES)

At \$400 to \$500 Per Acre

Can be bought in five, ten or any size tract. Located in the Upper Hood River Valley. Have small or large tracts of improved and unimproved property in the lower and upper valley. Have also ten acres of bearing orchard for sale, located in center of Hood River Lower Valley.

For Full Information Address

G. D. WOODWORTH

HOOD RIVER, OREGON

ARCADIA IRRIGATED ORCHARDS

THE CENTER OF THE RICH WASHINGTON FRUIT BELT

Arcadia is located twenty-two miles from Spokane, Washington. It's a true fruit district—with every conceivable advantage for making money in the fruit business.

Rich soil, gravity irrigation system, excellent railroad facilities, ideal climate.

Our Plan—We plant, cultivate, irrigate and care for your orchard for four years; we pay your taxes for five years. You can remain where you are while we bring your orchard into bearing.

Arcadia is the largest irrigation project in the West. Prices advance January 1st, 1911, so it will pay you to investigate Arcadia now. Ask for literature.

ARCADIA ORCHARDS COMPANY

HYDE BLOCK

SPOKANE, WASHINGTON

"THE LAND WHERE THE RAIN AND SUNSHINE MEET"

LYLE, WASHINGTON



A YOUNG ORCHARD NEAR LYLE

THE FIRST PRIZE for the best district display of non-irrigated apples was awarded the LYLE exhibit at the SPOKANE NATIONAL APPLE SHOW, 1910. This speaks for itself.

FOR BOOKLET AND FURTHER INFORMATION ADDRESS

LYLE COMMERCIAL CLUB

LYLE, WASHINGTON

\$1000

PER ACRE NET

\$1000



MOSIER APPLES AT HOOD RIVER FAIR

This is not an unusual profit for producing apple orchards in Oregon. It is a perfectly possible profit for any man of persistence and common sense who will select land in a proven apple district in Oregon and develop it properly. If you are at all interested in fruit growing we advise you to investigate the Mosier Valley. This valley adjoins the famous Hood River Valley, and is properly a part of it, so far as the character of the soil and the quality of the fruit produced is concerned. We claim that the apples produced in Mosier Valley are second to none and that there is no section anywhere which offers the fruit grower a greater opportunity. Land in the Mosier Valley can be obtained for very low prices, and can be cleared with comparatively little effort. These lands can be made to increase in value from 100 to 500 per cent in two years by clearing and planting trees. We invite the most careful and critical inspection of Mosier Valley, confident of the outcome. *For full particulars about this Valley address*

SECRETARY MOSIER VALLEY COMMERCIAL CLUB

MOSIER, OREGON

JAMES J. HILL SAID OF

The Willamette Valley, Oregon

"You have a valley here which is the most wonderful I have ever seen. * * * In this valley a man can make \$5,000 a year from off ten acres."

We are selling Willamette Valley Fruit Lands, which are being developed under the supervision of Hon. W. K. Newell, president of the Oregon State Board of Horticulture. Call on or write us for particulars.

THE A. C. BOHRNSTEDT COMPANY

629 Palace Building
MINNEAPOLIS, MINNESOTA

CRESWELL, OREGON

302 U. S. National Bank Building
SALEM, OREGON

Spitzenbergs & Newtowns

From the

Hood River Valley,
Oregon

Took the first prize on carload entry at the Third National Apple Show, Spokane, Washington, and Chicago, Illinois, 1910.

The Spitzenberg car scored, out of a possible 1,000 points, 997. The Newtown car, out of a possible 990 points, scored 988.

The Spitzenberg carload also won the championship carload prize at this show.

Can You Beat It?

We have got land improved and unimproved that is growing such fruit, and can grow it.

We are agents for the Mount Hood Railroad Company's logged off lands in Upper Hood River Valley. Many started in a small way; today they are independent. You can begin today. It pays to see us. Send today for large list of Hood River orchard land, improved and unimproved, and handsome illustrated booklet.



The above picture shows a prize-winning exhibit of Upper Hood River Valley apples at the Hood River Apple Show

W. L. Baker & Company Hood River Oregon

The oldest real estate firm in Hood River. Best apple land our specialty

HOW YOU CAN SECURE AN ORCHARD THAT WILL PAY FOR ITSELF

These orchards are located in the deep volcanic ash fruit soil of the great Columbia River Basin, less than 100 miles from Portland, Oregon, near Mount Hood and the famous Hood River Valley, with railroad depot on the property.

If you are interested, and have a little money, write, today, for full information in regard to this opportunity, the like of which you will not have again soon, and for "How I Can Secure an Orchard That Will Pay for Itself."

DUFUR DEVELOPMENT COMPANY

91 Third Street

PORTLAND, OREGON

WHITE SALMON VALLEY

NON-IRRIGATED

Having direct water TRANSPORTATION, after the Panama Canal is built, it is estimated that White Salmon and Hood River Newtowns can be put on the English market for 35 cents a box.

At the Third National Apple Show, where four carloads scored higher than the highest car last year, Hood River won **Grand Championship Prize** on **Spitzenbergs** and first prize on Yellow Newtown car. Two years in succession Spitzenbergs have won this prize. These two apples, Spitzenbergs and Newtowns are our specialties.

White Salmon, being just across the Columbia from Hood River, belongs to this world famous apple section of the Cascade Highlands.

Other places of the Northwest are also profitable for orchards, but in these highlands is the place to live and enthruse, as well as to make money.

White Salmon, being a comparatively new orchard section (opened by the recent construction of the North Bank R. R.), there are great opportunities for investment.

Development League

WHITE SALMON, WASHINGTON

White Salmon Realty is a Good Investment



Spitzenberg
WITHOUT IRRIGATION

What Eastern Commission Men Say About Non-irrigated **APPLES**

"Your non-irrigated apples are unexcelled by even the fine apples of Hood River, and the White Salmon growers should get the very top price for their fruit in the markets of the East. This is certainly a coming apple district."—Wm. Crossley, of the firm of D. Crossley & Sons, apple exporters of New York.

White Salmon offers greater advantages than any other apple district. Why? Because there is more unimproved land to be had, at a cheaper price and on easier terms.



Yellow Newtown
WITHOUT IRRIGATION

IF YOU ARE LOOKING FOR FRUIT LAND THAT RAISES THE ABOVE DESCRIBED FRUIT, IN ANY SIZE TRACTS, IMPROVED OR UNIMPROVED, CALL ON OR ADDRESS THE

CONSOLIDATED REALTY COMPANY

WHITE SALMON, WASHINGTON

DAY BROTHERS

White Salmon Non-Irrigated Fruit Lands IN LARGE AND SMALL TRACTS

HOMER G. DAY

HERBERT W. DAY

WHITE SALMON, WASHINGTON

APPLES

PLUMS

PEARS

PEACHES

PRUNES

WHITE SALMON VALLEY THE LAND OF OPPORTUNITY

Located across the Columbia River from Hood River, Oregon, the White Salmon Valley offers the greatest opportunities of any land on earth to fruit growers.

**WHERE APPLES, CHERRIES, PEACHES, PEARS, PRUNES AND STRAWBERRIES
GROW TO PERFECTION**

A few dollars invested in fruit land today will return to you in a very few years sixty-fold. The **SOIL, CLIMATE, WATER** and **SCENERY** are unsurpassed by that of any country.

We have bargains in orchard lands in and near White Salmon, also large and small bodies of timber land, cheap.

WRITE US FOR DESCRIPTIVE MATTER AND PRICES

ESTES REALTY & INVESTMENT CO.

White Salmon, Washington

BERRIES

CHERRIES

STRAWBERRIES

NUTS

JONATHAN'S NEWTOWNS

SPITZENBERG'S WINESAPS

Irrigated
Orchard Tracts

Rogue River Valley



COMPLETED SECTION OF NEW CANAL. ROGUE RIVER VALLEY CANAL COMPANY. WILL IRRIGATE FIFTY-FIVE THOUSAND ACRES

**WRITE FOR THREE REASONS
WHY THE ROGUE RIVER VAL-
LEY IS ENTITLED TO BE CALLED
THE BEST FRUIT DISTRICT IN
AMERICA.**

It won the Grand Sweepstakes Prize at the Spokane National Apple Show, and has been declared by government experts to be the most perfect fruit belt in the world.

Every acre of our irrigated orchard tracts carries with it a perpetual water right.

We plant and care for orchards on the yearly or monthly payment plan.

If you would succeed from the start, come to a proven district.

WRITE US FOR FULL INFORMATION

ROGUELANDS INC.

Fred N. Cummings, Manager

MEDFORD, OREGON

Cheap Hood River Apple Lands

Arable tracts of first-class apple land can be bought for prices as low as \$50.00 an acre, easy terms. We have good offers to make in Underwood, White Salmon and Lyle, the famous Columbia River non-irrigated districts.

Unimproved land in Underwood \$150.00 an acre, one mile from station on North Bank R. R.; red shot clay soil; no rock; light timber and brush; cost of clearing \$50.00 to \$80.00 an acre. Wonderful view of Mt. Hood and Columbia River Gorge. Improved bearing orchards, 5 to 40 acres.

JOHN LELAND HENDERSON, Inc.

Portland Office:

J. L. Henderson, 600 Chamber of Commerce.

Hood River, Oregon



Three-year-old Spitzenberg in Rogue River Valley

THE BEST FOR THE LEAST MONEY

Rogue River Valley, Southern Oregon

This 25-acre tract, 4-year-old Spitzenbergs and Newtown Pippins, at \$500.00 per acre, whole or divided; deep, free, river bottom loam soil; on level automobile road four miles from town, along the beautiful Rogue River. Best of salmon and trout fishing. Best young commercial orchard on the market here.

I have a choice list of bearing and partially developed orchard tracts. Also of deep, free, red shot soil, and of irrigated and sub-irrigated valley and first bench lands, for fruit and general farming, at exceptionally low prices.

Write or call on A. N. PARSONS, Grants Pass, Oregon

References by permission: First National Bank; Grants Pass Banking and Trust Company

"OREGON IS THE PLACE FOR ME"

PORTLAND COMMERCIAL CLUB Portland, Oregon

Send me specific information about what Oregon has to offer

- | | |
|--|-------------------------------------|
| <input type="radio"/> Apple Orchardng | <input type="radio"/> Hotels |
| <input type="radio"/> Pear Orchardng | <input type="radio"/> Resorts |
| <input type="radio"/> Peach Orchardng | <input type="radio"/> Schools |
| <input type="radio"/> Prune Orchardng | <input type="radio"/> Railroads |
| <input type="radio"/> Live Stock Raising | <input type="radio"/> Towns |
| <input type="radio"/> Poultry Raising | <input type="radio"/> Mining |
| <input type="radio"/> Truck Farming | <input type="radio"/> Manufacturing |
| <input type="radio"/> Walnut Culture | <input type="radio"/> Water Power |
| <input type="radio"/> Wheat Growing | <input type="radio"/> Merchandising |
| <input type="radio"/> Dairying | <input type="radio"/> Berry Growing |
| <input type="radio"/> Timber | |

Name

Street

Town

State

That's what you'll say when you learn specifically just what opportunities Oregon can offer you in *your own line* of endeavor.

The Portland Commercial Club will lend you all the assistance within its power to make you thoroughly acquainted with the possibilities Oregon offers you in your own line. It will tell you specifically what inducements different sections of the state are offering.

In manufacturing—in dairying—in agriculture—in fruit raising—and all other lines, Oregon offers splendid opportunity for great and successful achievement.

Take out your lead pencil or pen—look down the list of industries, and in the little circle opposite the business that interests you most, make a mark, clip out the list and mail it in. In return you will receive valuable and specific information regarding those sections of Oregon peculiarly adapted to your special line. Write a personal letter. Ask questions that come into your mind. They will all be answered fully and comprehensively. Check the list now while you have it in mind.

**Portland Commercial Club
Portland, Oregon**

OKANOGAN IRRIGATION AND IMPROVEMENT CO.

Capital Stock, \$500,000

Project in the very heart of the justly famous fruit belt of Okanogan County, Washington.

Over 15,000 acres of irrigated land below the high line ditches of this Company.

Ten thousand acres of land now under contract, and as much more available for irrigation.

Two thousand square miles of water shed on mountain streams furnish an abundant supply of water.

Reservoirs with storage capacity for twice as much water as needed for reserve supply in seasons of possible drouth.

No Better Fruit Land in the State of Washington

A small block of stock for sale at \$75 per share, par value \$100. Details of plan to furnish choice fruit land with perpetual water right for less than \$100 per acre will be furnished on application to the Spokane office of the Company, 518 Paulsen Building.

*Read descriptive article elsewhere in this issue of
"Better Fruit"*

There is ONLY ONE right way to invest in apple orchards, and that is, to buy in a section that has its reputation firmly established. There is ONLY ONE—

HOOD RIVER

That raises the longest keeping apple!!

That grows the famous Spitzenberg and Yellow Newtown to a perfection grown nowhere else!!

That has always had the most eminent pomologists rank its apples as having no equal!!

And this, too, without irrigation, and in a community renowned for its social refinement, unequaled conveniences and scenic charm.

Steinhardt & Kelly, of New York, the largest purchasers of fancy packed apples in the world, have this to say of Hood River:

"Within the shadow of Mighty Mount Hood, where the rain and sunshine meet," there grow the finest and most delicious apples in all the wide, wide world. Every apple picked by hand and packed in the most scientific manner under direct and personal inspection.

It only needs hasty comparison to prove that Hood River Valley is asking less for good orchards than other localities far less noted and far less profitable.

WE HAVE TWO EXCEPTIONAL ADJOINING ORCHARDS FOR SALE ON FAVORABLE TERMS

15 acres—10 acres 2-year-old trees, 2 acres of bearing trees and 3 acres uncleared. Easy clearing.

20 acres—15 acres 2-year-old trees, 3 acres bearing trees, 2 acres uncleared.

Each with a beautiful building site.

Will be sold separately or as a whole, and owners will arrange with purchaser to care for orchard until in bearing, and take our compensation from the bearing orchard.

For prices and terms, address

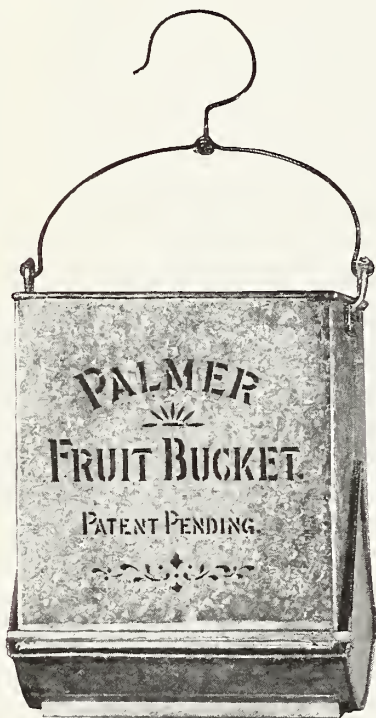
Hood River Apple Orchards Company

P. O. BOX 165

HOOD RIVER, OREGON

THE PALMER

FRUIT PICKING BUCKET



An automatic device for the successful handling of Apples, Pears, Peaches, Cherries, Oranges and Lemons, or any other kind of Fruit or Small Vegetable, without bruising. It has been thoroughly tested and meets every requirement for the careful and convenient handling of fruit that is easily bruised.



"The Palmer Bucket is the best all around bucket, in every particular, that I have ever seen."—Professor H. E. Van Deman.

The Bucket—Made entirely of metal. Substantial and durable.

No Canvas—The past season exploded the canvas idea. Instead of being a protection, it wrinkled and collected spurs and sticks which scratched and marred the fruit. It was subject to weather conditions and would shrink and stretch. The canvas bottom would sag and the fruit bruise when the bucket was set on the ground.

No Strings to stretch, wear out and break and let the fruit drop.

No Springs or clamps or levers to get out of order.

The Release is simple and easy; no complicated arrangement of straps, strings and levers to tinker with. By a simple rotary movement the bottom is

drawn away and the fruit is gradually and evenly deposited in the box; two buckets leveling a box so that another box may be set on top.

After emptying the bucket the bottom drops automatically into position and the picker is ready for action, without wasting time over straps, loops or puckering strings.

Take up the bucket, from any position, by the handle, and the bottom automatically adjusts itself. All the fruit in the bucket may be discharged or just enough to complete the filling of the box, and the rest taken to another box.

The Hook works on a swivel and is always rigid and upright, ready to hook to the ladder or a convenient limb; and when desired can be hooked in a harness and suspended from the picker's shoulders, so he can use both hands. Can be instantly removed.

The Palmer Bucket Company

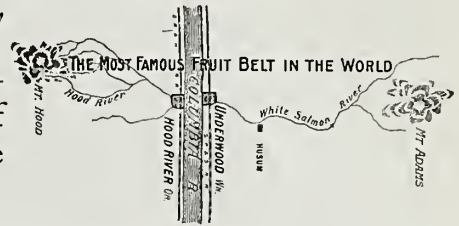
Hood River, Oregon

UNDERWOOD

The Gateway to the Famous White Salmon Valley

If you want a strictly first-class location for growing high-grade fruit, close to the river and railroad, within sight of the town of Hood River, with the best of everything in the way of shipping and social advantages, call on or write

W. F. CASH, UNDERWOOD, WASHINGTON



G. Y. EDWARDS & CO.

HOOD RIVER, OREGON

Our Specialties:

Fruit Lands, Orchards and Raw Lands

Get our literature and list of orchards

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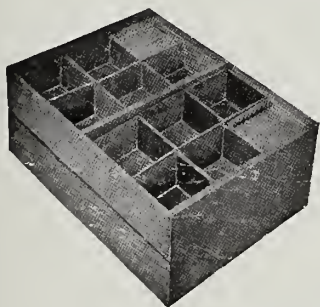
ASHLAND DISTRICT of the ROGUE RIVER VALLEY

Orchards near the City of Ashland, Oregon, hold the highest records for productiveness per acre, in comparison with all the other orchard localities of similar size.

A booklet descriptive of the many resources of this city and the surrounding country will be sent **free** on applying to the Publicity Department of the Ashland Commercial Club, Ashland, Oregon.

NATIONAL FOLDING BERRY BOXES

ALL STANDARD STYLES AND SIZES WITH CRATES TO MATCH



For Market

*None Just as
Good*

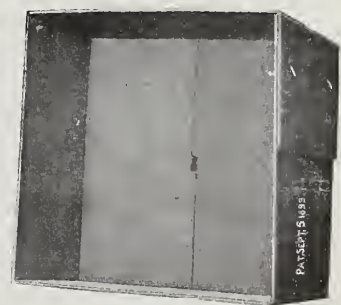
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FRUIT PACKAGE IS MADE BY

National Lumber & Box Co.

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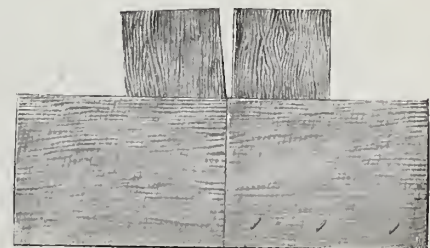
Multnomah Lumber & Box Co. Portlan
H. J. Shinn & Co., Spokane
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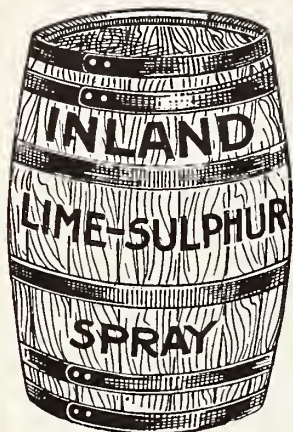


For Simplicity



For Shipping

BEST BERRY PACKAGE EVER PRODUCED



"INLAND BRAND" Lime-Sulphur

"BETTS" FLUME CEMENT

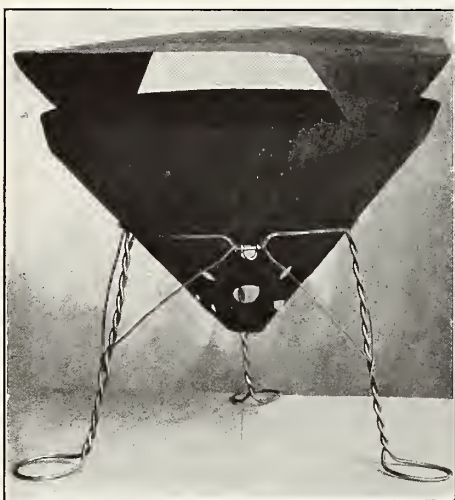
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MANUFACTURERS

Erie and U. P. Tracks

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Millions of dollars worth of fruit has been saved by Ideal Coal Heaters. Big crops were saved when the temperature fell as low as 16 above zero in blooming time. Sixty-five thousand Ideal Coal Heaters were used in Grand Valley alone. Many thousands are sold for spring delivery. Our Jumbo Ideal burns all night without refilling. Ideals are reservoir coal heaters, self-feeding and self-cleaning. You pay for Ideals no matter what heater you use. If you use none you pay for Ideals many times. Better use them. We have sold many of our old customers heaters this year.

QUICK HEAT GREAT VOLUME
GREAT OUTWARD RADIATION BIG CROPS SAVED
VERY SMALL EXPENSE

Send 50 cents for sample. Reliable agents wanted. Write today.

The Ideal Orchard Heater Co.

Grand Junction, Colorado

SCOTT-MUNSELL IMPLEMENT CO.

321-329 East Morrison Street, Portland, Oregon

1018-1020 Sprague Avenue, Spokane, Washington

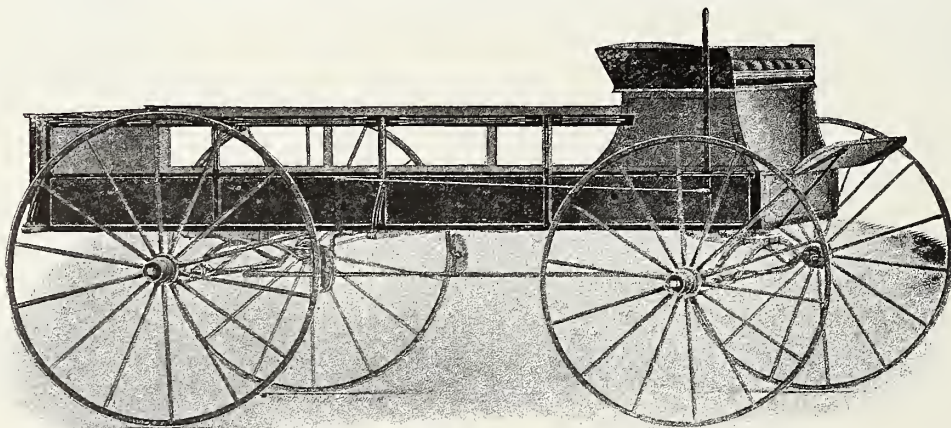
WHOLESALE AND RETAIL DEALERS IN

Vehicles and Implements

Carry large assortment of best styles of earth-working tools; also haying and harvesting machinery; also wagons for fruit delivery and for teaming; also driving vehicles for business and for pleasure uses.

WE RECOMMEND TO FRUIT GROWERS THIS WAGON NO. 120
MADE BY FREMONT CARRIAGE MANUFACTURING COMPANY

Bodies
42 inches
wide.
Have drop
end gate
with chains.
Hang low
on duplex
springs.



Uses the
celebrated
"Fitch Gear"
"Short Turn"
with
high wheels,
wide body
hung low.

Sizes: 1 1/8-inch, 1 1/4-inch, 1 3/8-inch and 1 1/2-inch axles. Bodies: 7-foot, 8-foot, 9-foot, 10-foot; 42 inches wide

THE NAME OF MAKERS IS GUARANTEE OF HIGHEST QUALITY



Four-year-old Cherry Trees, Fairview Orchards, The Dalles, Oregon, R. H. Weber, Owner
RAISED AND MAINTAINED WITH THE

KIMBALL CULTIVATOR

Great
Weeds and Ferns
Exterminator

Office and Factory, 811 East Second Street
Long Distance Phone, Main 3671



Hood River, Oregon,
February 26, 1910.

Mr. R. H. Weber,
The Dalles, Oregon.

Dear Sir: I use three "Kimball Cultivators" in my orchard. There is nothing better as a weeder, dust mulcher, or to stir the soil.

Yours truly,

E. H. Shepard,
Editor "Better Fruit."

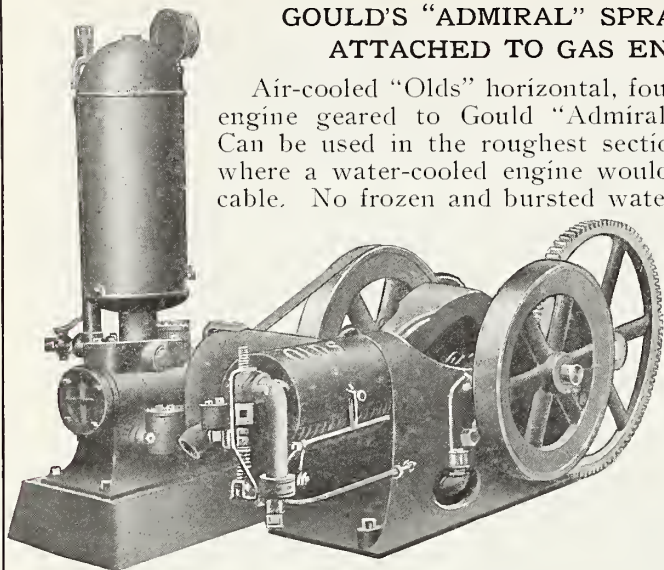


NINETY PER CENT HOOD RIVER ORCHARDISTS USE THIS MACHINE
SEND FOR ILLUSTRATED DESCRIPTIVE CIRCULAR

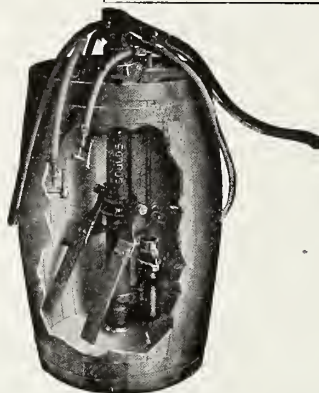
JOHNSTON & WEBER, Manufacturers, The Dalles, Oregon

**GOULD'S "ADMIRAL" SPRAY PUMP
ATTACHED TO GAS ENGINE**

Air-cooled "Olds" horizontal, four-cycle gasoline engine geared to Gould "Admiral" spray pump. Can be used in the roughest section on side hills where a water-cooled engine would not be practicable. No frozen and bursted water jackets.



Write for valuable free booklet No. 204, on How to Spray and When to Spray. Ask our spray man for any information he can give you—he speaks from wide experience.



**Gould's
Monarch**



Our Experience

Has satisfied us that the Olds Engine is the ideal one for general purposes, but we will equip our spray outfits with any engine desired.

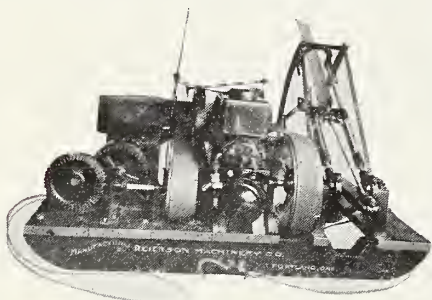
GOULD'S SPRAYERS

Recommendations of leading fruit men, experiment stations, and our twenty years' experience all coincide to make us endorse Gould's line of hand and power sprayers as better adapted to Pacific Coast needs than any other spraying apparatus. **WE CONSIDER GOULD'S GOODS ALL PUT UP ON HONOR.** Ask the man who is using a Gould why he never buys another. He'll say a Gould won't wear out, and if he wanted any pump at all he would take another Gould. The Gould is the cheapest, as it doesn't cost anything for repairs. Ask the man who sells pumps what the purchaser of a Gould pump says. All the same story—made right—work right—wear right. We see that they are sold right.

PORTLAND SEED CO.
PORTLAND, OREGON

**SPRAYS
SPRAYING MATERIAL
AGRICULTURAL SUPPLIES**

KING OF THE WOODS



45 CORDS SAWED
IN ONE DAY

POWER DRAG SAW

Saves money and backache. Weighs only 1,600 pounds, with 4-horsepower Waterloo engine, water-cooled. Can be operated by one man. Pulls itself forward and backward, up hill or down hill; lots of power and some to spare. Uses only 4 gallons distillate per day, which costs 8½ cents per gallon. Get our descriptive catalogue and prices.

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PORTLAND, OREGON

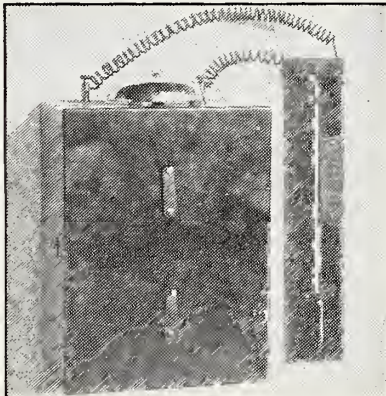
WATCH THIS
SPACE FOR
CUT OF OUR
IMPROVED
POWER SPRAYER

WRITE
FOR
PRICES

**Have Your Own
Weather Bureau**

Get a Cedarborg Frost Alarm and be sure and to get your frost warning in time. Write and let us tell you how to save money by getting your order in before the rush.

The
Cederborg Engineering Co.
808 Twentieth Street, Denver, Colorado



Your Water Supply Secured
**THE PHILLIPS
HYDRAULIC
RAM**

The simplest
and most
efficient
pumping
device
ever
made.



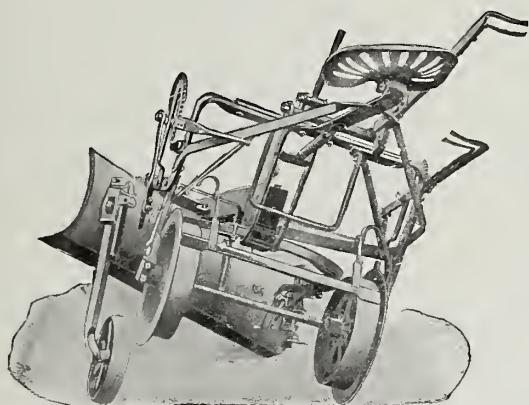
RAMS
For Pressure
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Tank Systems

BIG RAMS
For
IRRIGATION

The Phillips
Hydraulic Ram
Company

Office:
419 Lumber Exchange
Building
Portland, Oregon

20th Century Grader and what it will do for you



Notice Grader has only two wheels. Both behind blade. Flanged wheels prevent side draft.

The 20th Century Grader is the
Irrigator's Best Friend.

It Will

Cut Laterals for Irrigation.
Make Shallow Drainage Ditches.
Cut Side Ditches.
Level Fields for Irrigation.
Slash Off Sage-Brush.
Clean Laterals and Throw Borders.
Throw Up Dikes for Rice Farming.
Grade and Crown Roads.
Maintain Gravel and Dirt Roads.
Move Dirt anywhere and drop it
anywhere you want it.

It is the most all-around serviceable machine you can have on your place—saving time, money and labor at every turn.

It also saves you the cost of several expensive machines that you have to have, although you use them but once a year.

Convenient and Economical

The 20th Century Grader is the original one-man machine. It is built of steel and weighs but 600 pounds. With one man and two horses it will do the same work with less effort in half the time required by the big 2,000-pound graders with two men and four or six horses. This makes it wonderfully economical.

Besides light draft, the 20th Century is built right. Every part made to stand its proportionate strain. The pull of the team concentrates at the point of the blade. Every ounce of power goes against dirt.



Solves Every Irrigation Problem

BETTER AND EASIER AND CHEAPER

Make your year's work count. Get bigger returns with lighter work by using modern steel machinery

Let us send you descriptions and actual photographs of these machines at work. Let us tell you what other people say who use them.

Send the attached coupon today and detailed information will come to you at once.

The Baker Manufacturing Co.

FISHER BUILDING

CHICAGO, ILLINOIS

The Baker Manufacturing Company
Chicago, Illinois

I am interested in the profits your agents are making on the 20th Century Grader.

Please send me your confidential proposition made to 20th Century agents.

Name

Address



Fancy Hood River Apple Pack

HOOD RIVER

Won the Grand Sweepstakes Prize at the National Apple Show, also First Prize on Car Load of Spitzenbergs and First Prize on Car Load of Yellow Newtowns

This proves again the superiority of the Hood River apple. Not only do they capture first prizes wherever exhibited, but every year the Hood River apples are the first ones sold, and always bring the top prices.

Make your home in Hood River. Get in with the winners and be sure of a good profit for your labor. Send for our list of orchard tracts and business opportunities.

J. H. HEILBRONNER & CO.

THE RELIABLE DEALERS

The Davidson Building

HOOD RIVER, OREGON

THE COMMERCIAL WORLD RECOGNIZES
THE FACT THAT

HOOD RIVER VALLEY

Produces an apple that has superior keeping qualities over apples of any other district; it also recognizes the fact that the HOOD RIVER APPLES bring a higher price per box than apples grown elsewhere.

The general impression regarding land values of our valley is wrong, prospective buyers believing that values at HOOD RIVER are higher than any other fruit district; but it is a fact that the PRICES of most of the improved districts are HIGHER than they are in our beautiful valley. The highest sale per acre that has been recorded was \$1,950. It consisted of 6 acres 8-year-old Spitzenberg and Newtown, 4 acres of 5-year-old of same variety, with \$2,000 improvements.

With \$1,500 to \$5,000 capital you can buy the kind of a home you are looking for. Improved places, which will pay their way out, can be bought for quarter to half down, balance on or before five years.

Raw land sells from \$75 to \$300 per acre, owing to location, drainage, etc. We have on our lists raw land, lies practically perfect, red shot soil, which can be bought in 10-acre tracts at \$150 per acre.

One of the best buys in Hood River Valley for a home or investment of highly improved property consists of 20 acres, ideally located, all set to commercial orchard 2 to 6 years old. Good house and barn, good team, wagon, hack, new steam spraying outfit, complete set of farm implements. Price \$15,000; \$5,000 cash, balance 3 or 5 years.

FOR INFORMATION REGARDING HOOD RIVER WRITE

DEVLIN & FIREBAUGH

THE LEADING DEALERS

Swetland Building, Portland, Oregon

Hotel Oregon Building, Hood River, Oregon

See the Newtown page

BETTER FRUIT

A MONTHLY ILLUSTRATED MAGAZINE PUBLISHED IN THE INTEREST
OF MODERN AND PROGRESSIVE FRUIT GROWING AND MARKETING

THIRD NATIONAL APPLE SHOW, SPOKANE-CHICAGO

BY AUGUST WOLF, SPOKANE, WASHINGTON

PERHAPS the most significant result of the two National Apple Shows: In Spokane, November 14 to 19, and in Chicago, November 28 to December 4, is the interest aroused in commercial districts in Washington, Oregon, Idaho, Montana and British Columbia. From publicity and artistic viewpoints the expositions were gratifyingly successful and taken all in all it was the best exploitation the apple ever had, next to the story of its first appearance in the Garden of Eden. Moreover, the people of the Mississippi valley country and the states to the east, south and north, have better acquaintance with the apple belts of the Northwestern and Pacific states than ever before.

The Chicago show, which was installed in the First Regiment armory at Sixteenth street and Michigan avenue, was attended mostly by men and women who have money to invest and others who are looking for homes in the country. The representatives of the various districts that entered displays were there with statistics, photographs and vivid word pictures of the exact state of things in the pomological history of the Northern and Western states and they were besieged from morning until night by eager inquirers, seeking knowledge at first hand of the various districts, where, surface indications are, many will cast their lot in the near future.

The carlot displays, winners of the chief prizes headed by the grand championship car exhibited by C. H. Sproat, of Hood River, Oregon, were viewed with interest by thousands, who marveled at the color, size and uniformity of the fruit; but it is conceded that the district booths were the centers of attraction, largely because of the fact that spectators were able to grasp the extent and importance of the fruit-growing industry in the Western states through having the evidence in concrete form before them and listening to the talks by growers.

No one is in position to foretell the extent of the influx of capital and desirable settlers into the Pacific country as the result of the apple shows, but it is not overstating it to say that every district is bound to receive a hundred fold for every dollar expended in making the enterprises what they were. In fact, if only one out of every hundred men and women who evidenced interest in the opportunities, advantages and possibilities of the Western country crosses to the

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west side of the Rocky mountains, the result will be apparent on all sides.

Some might suggest that the new habit—this widespread talk about apples and apple lands—is due entirely to the Spokane and Chicago shows. That is not true. It is too general to make such claims. The shows doubtless helped much, but they did not start the whole "back to the land" movement. They simply confirmed the reports given in print or by word of mouth of the marvelous development of the apple-growing industry and the rapid and substantial strides made in the Northwest. And as such they proved their value a thousand fold. In fact, it may be said without fear of contradiction that the crumbs cast upon the waters will return in the shape of large loaves in a short time.

Those identified with the shows, which cost the people of Spokane more than \$85,000 this year, believe that the results accomplished, fully justify the expenditures. They also point to the fact that many Eastern and Middle Western cities, including Minneapolis, Kansas City, Harrisburg, Philadelphia, Atlanta,

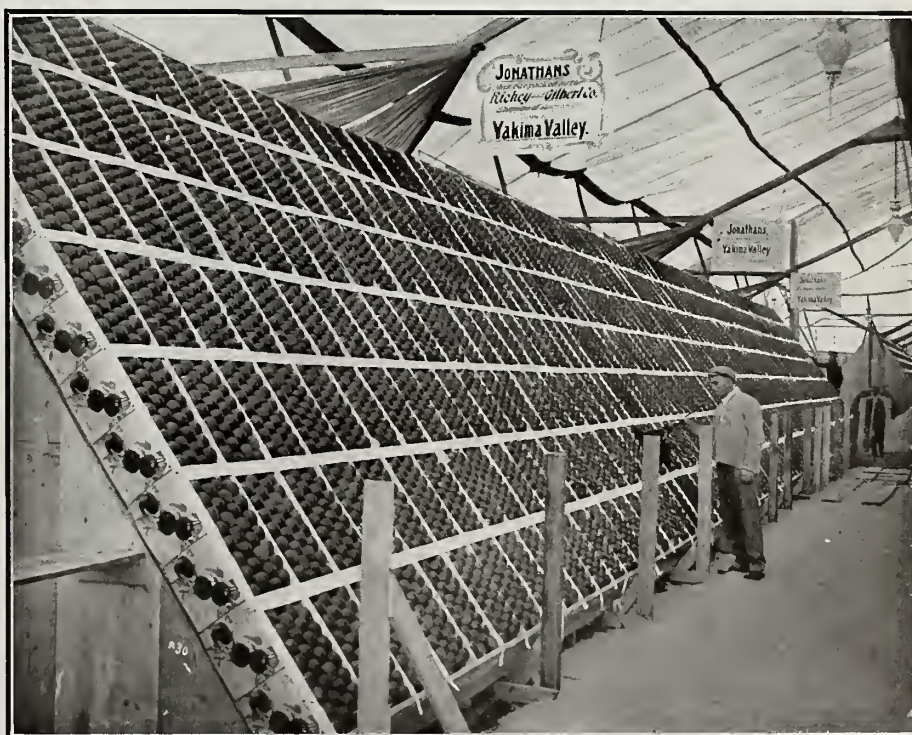


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane
FIRST PRIZE CARLOT OF JONATHANS, GROWN BY J. S. BAIRD, SUNNYSIDE, WASHINGTON. THIRD NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, AND CHICAGO, ILLINOIS, NOVEMBER 28-DECEMBER 4, 1910



Photo by Frank Palmer, Spokane

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OROVILLE, WASHINGTON, DISTRICT DISPLAY, NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910



Photo by Frank Palmer, Spokane

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NATIONAL APPLE SHOW SPECIAL LEAVING SPOKANE, WASHINGTON, FOR CHICAGO, ILLINOIS, MONDAY, NOVEMBER 21, 1910, SECOND SECTION FOLLOWING LATER WITH EXHIBITORS. THE LAST CAR BEING USED FOR THE OFFICIALS OF THE APPLE SHOW

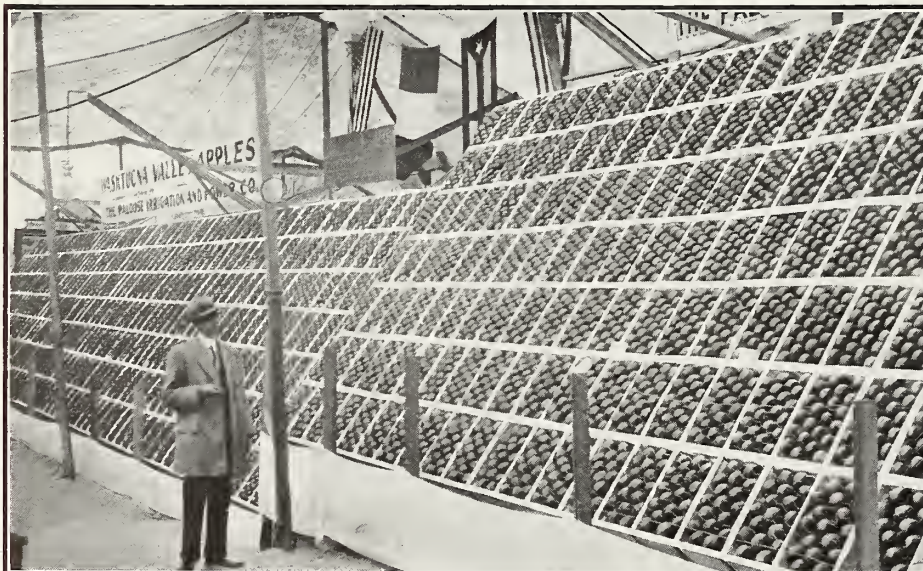


Photo by Frank Palmer, Spokane

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CARLOAD OF APPLES FROM WASHTUCNA VALLEY, WASHINGTON, AT NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910

Boston, New York and Detroit, are working to have shows in their cities in 1911, pledging every support and co-operation. Another thing brought out is that a permanent building must be erected to house the fourth annual competitive exposition in Spokane.

E. F. Cartier Van Dissel, first vice-president and chairman of the board of trustees of the National Apple Show, Inc., says that while Chicago will never have another opportunity to see the Spokane exposition, it is likely a circuit will be established to take in a half dozen important Eastern cities.

"The Chicago show was operated at a financial loss, as we expected it would be," Mr. Van Dissel said, "but the exhibitors were highly satisfied with the results. Considering the opposition of The Chicago Tribune and the United States Land and Irrigation Congress, backed by that publication, our exhibition was a magnificent success, and the Northwest was amply repaid in the splendid publicity it received in other mediums, notably The Inter Ocean, The Record-Herald, The Examiner, The American, The Post, The Journal, The Daily News, Chicago Commerce, Morrison's Chicago Weekly, The Drovers' Journal and hundreds of daily and weekly publications in the Central West."

Many of the exhibitors sold their displays to commission houses and department stores at good figures, while others disposed of their products direct to restaurants, hotels and fruit dealers.

Chief interest at the Third National Apple Show in Spokane, centered in the sweepstakes event on carlot entries.



HOWARD ELLIOTT

President Third National Apple Show, Spokane, Washington, and Chicago, Illinois.
Also president Northern Pacific Railway.



Photo by Frank Palmer, Spokane

Engraved by American Engraving Co., Spokane
ARTISTIC LIMITED DISPLAY BY R. H. FORTUNE, SALMON ARM, B. C.

Winning first prize Canadian National Apple Show, Vancouver, British Columbia, 1910, and second prize at National Apple Show, Spokane, Washington, November, 1910, and Chicago, Illinois, November 28 to December 4, 1910.

There were 21 entrants. The winners were announced as follows:

Grand Championship—C. H. Sproat, Hood River, Ore., Spitzenberg (997), first prize, \$1,000, Chicago Association of Commerce, cup, valued at \$500, and \$250 for first on variety; Hinman & Grandy, Cashmere, Wash., Spitzenberg (991), second prize, \$300.

Winesap—H. M. Gilbert, North Yakima, Wash., first prize, \$250; O. G. France, Wenatchee, Wash., second, \$100.

Wagner—Spokane Valley Irrigated Land company, Spokane, Wash., first prize, \$250; no second.

Rome Beauty—R. P. Wright, Chelan, Wash., first prize, \$250; J. Howard Wright, North Yakima, Wash., second, \$100.

Yellow Newtown Pippin—Avery Bros., Hood River, Ore., first prize, \$250, also International Apple Shippers' Association silver trophy; A. D. Helms, Ashland, Ore., second, \$100.

Mixed—Arkansas Black and Winesap, Dick Hart, Toppenish, Wash., first prize, \$250; C. C. Georgeson, Prosser, Wash., second, \$100.

Jonathan—J. T. Baird, Mabton, Wash., first prize, \$250; no second.

There were no entries for the McIntosh carload prize.

Avery Brothers also were awarded a silver scroll, presented by Messrs. Simons and French, for the best exhibit of Yellow Newtown Pippins. A. D. Helms received the International Apple Shippers' Association trophy for the best car.

There were numerous artistic displays. In the Two-and-two contest the Chamber of Commerce of Ellensburg, Wash.,



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane
DEMONSTRATION OF ENTOMOLOGY AND BOTANY BY WASHINGTON STATE AGRICULTURAL COLLEGE OF PULLMAN, WASHINGTON, AT NATIONAL APPLE SHOW, SPOKANE

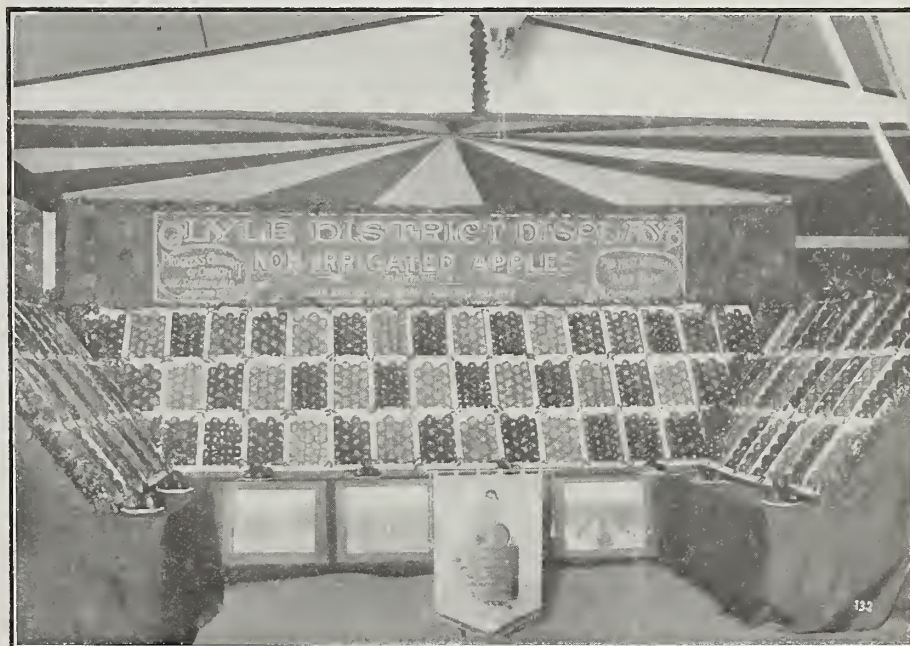


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane
FIRST PRIZE NON-IRRIGATED DISTRICT DISPLAY FROM LYLE, WASHINGTON, NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

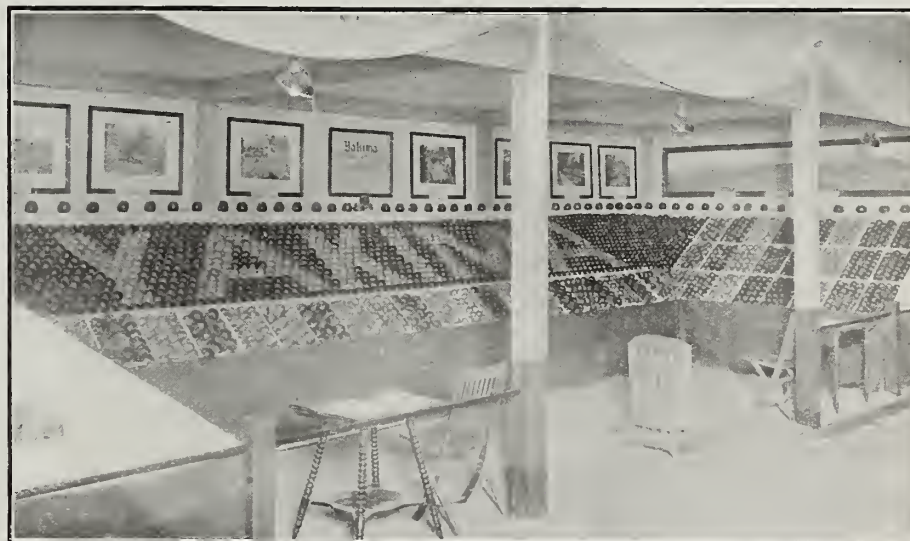


Photo by Frank Palmer, Spokane

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YAKIMA COUNTY, WASHINGTON, DISTRICT DISPLAY, THIRD NATIONAL APPLE SHOW SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS



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METHOW VALLEY, WASHINGTON, DISTRICT DISPLAY, THIRD NATIONAL APPLE SHOW SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

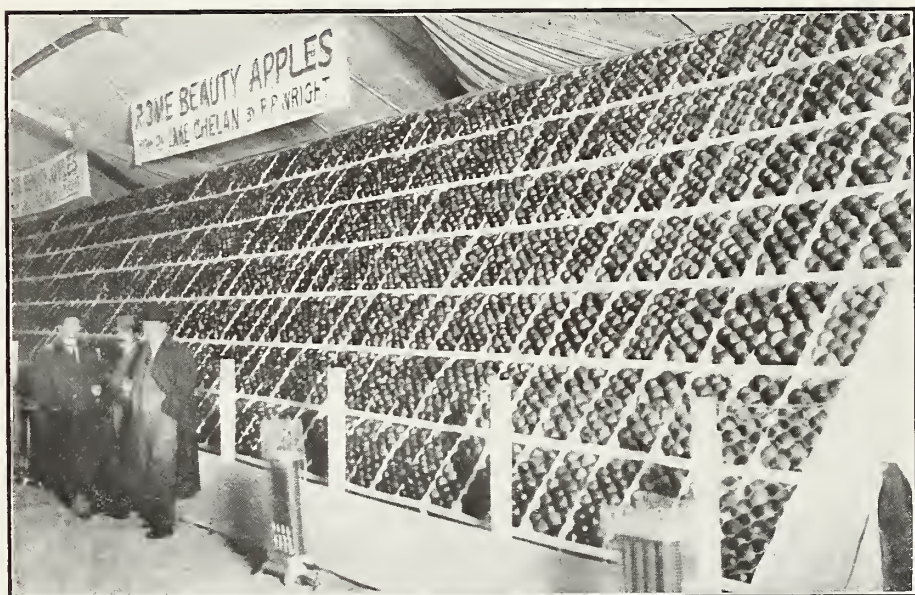


Photo by Frank Palmer, Spokane
FIRST PRIZE CARLOAD OF

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ROME BEAUTIES FROM LAKE CHELAN, WASHINGTON,
NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND
CHICAGO, ILLINOIS, 1910

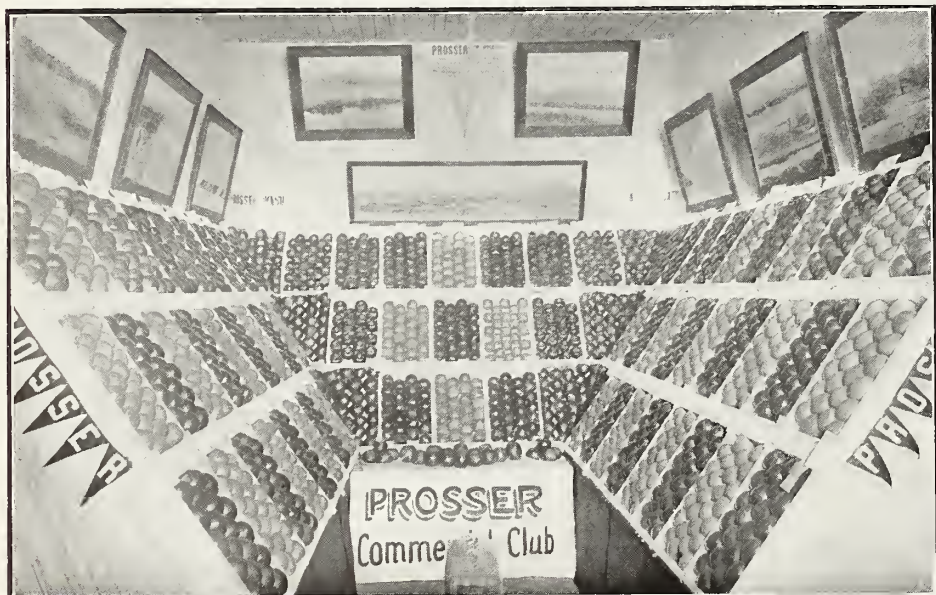


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

PROSSER, WASHINGTON, DISTRICT DISPLAY AT THE THIRD NATIONAL APPLE SHOW SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

The Washington State Horticultural Society meets at Prosser this month.

captured the first honors, \$200, a gold medal banner and the J. C. Pearson company, silver cup. R. H. Fortune, of Salmon Arm, B. C., was second.

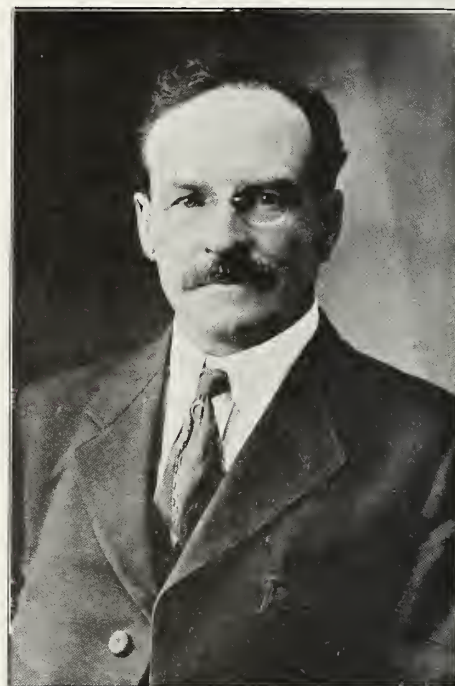
John Hakel, of Hood River, Ore., won a prize of \$50 for the best exhibit in the Western states special. The Palouse Irrigation and Power Company, of Hooper, Wash., was second. R. H. Fortune, of Salmon Arm, B. C., won the first prize, \$75, in the foreign country special.

The Commercial Club, of Walla Walla, Wash., won the first prize for the best general collective display of apples grown on irrigated land. The Commercial Club, of Cashmere, Wash., was second. The Business Men's Association, of Lyle, Wash., was first in the non-irrigated display contest, Spokane county being second.

The prize for the exhibit coming the longest distance was awarded to William S. Teator, Upper Red Hook, N. Y., 3,019 miles.

Tedford Brothers, of Wenatchee, Wash., received the H. Woods Company trophy for winning the most prizes of all kinds.

The apple packing contest brought out 45 entrants. Charles Mason, of Spokane, was declared the champion, scoring 378 of a possible 400 points. W. L. Dresbach, of Mosier, Ore., was second with 370 points, C. L. Green, of Wenatchee, Wash., being third with 362 points.



Engraved by Hicks-Chatten Co., Portland, Oregon

C. H. SPROAT

Winner of the sweepstakes prize for best carload of apples at the National Apple Show, Spokane, \$1,000, and winner on the same car for the best carload of Spitzenbergs, \$250, and winner at the Spokane National Apple Show of the solid silver trophy cup given by the Association of Commerce Chicago, valued at \$500. Mr. Sproat has been for many years secretary of the Hood River Apple Growers' Union and this year was elected to the position of manager. Mr. Sproat has been for years a successful apple grower in Hood River Valley, owning fifty acres, one of the finest apple orchards in the valley.

F. L. Post and Sons, of Chelan, Wash., received \$100 for a pyramid of 50 apples, weighing 79 pounds 15 ounces; second, Lorr and Ball, Methow, Wash., 78 pounds 13 ounces. Lorr and Ball also were awarded \$25 and the Neely and Young cup for the largest single apple; B. M. Chapman, of Cashmere, Wash., was second.

These awards were made in the 10-box contests:

Arkansas Black—A. W. Simons, Free-water, Ore., first; Tedford Brothers, Wenatchee, Wash., second.

Baldwin—C. F. Fullerton, Otis Orchards, Wash., first; B. L. Smith, Okanogan, Wash., second.

Delicious—T. J. Black, Wenatchee, Wash., first; Wenatchee Orchards-Bonds Company, Cashmere, Wash., second.

Grimes' Golden—John Bengel, Spokane, Wash., first; no second.

Jonathan—Robert Johnson, North Yakima, Wash., first; T. J. Black, Wenatchee, Wash., second.

McIntosh Red—C. L. Greene, Wenatchee, Wash., first; J. C. Wood, Kalispell, Mont., second.

Rhode Island Greening—C. L. Green, Wenatchee, Wash., first; John Hakel, Hood River, Ore., second.

Rome Beauty—R. McRae, Walla Walla, Wash., first; B. M. Chapman, Cashmere, Wash., second.

Spitzenberg—G. M. Adams, Brewster, Wash., first; Palouse Irrigation and Power Company, Hooper, Wash., second.

Stayman Winesap—T. J. Black, Wenatchee, Wash., first; no second.

Wagener—A. Schaefer, Chester, Wash., first; E. Remy, North Yakima, Wash., second.

White Winter Permain—William Tedford, Wenatchee, Wash., first; J. Howard Wright, North Yakima, Wash., second.

Winesap—H. M. Gilbert, North Yakima, Wash., first; Tedford Brothers, Wenatchee, Wash., second.

Yellow Newtown Pippin—John Hakel, Hood River, Ore., first; C. L. Green, Wenatchee, Wash., second.

Winter Banana—F. L. Pugh, Peach, Wash., first; George Spencer, Entiat, Wash., second.

John Hakel, of Hood River, Ore., won the Portland Commercial Club trophy for the best 10 boxes grown by an Oregon exhibitor.

H. M. Gilbert, of North Yakima, Wash., was first in the 10-box pack contest; William Tedford, of Wenatchee, Wash., was second.

Scores of prizes were awarded in five, four, three, two and single box contests and there were 600 prizes on plate exhibits.

Professor H. E. Van Deman, of Washington, D. C., had charge of the board of judges, composed of J. W. Murphy, of Glenwood, Iowa, James Gibb, of Kelowna, B. C., Professor S. A. Beach, of Ames, Iowa, and C. J. Sinsel, of Boise, Idaho. Professor A. P. Bateham, of Moiser, Ore., was chief of the judges on pack.

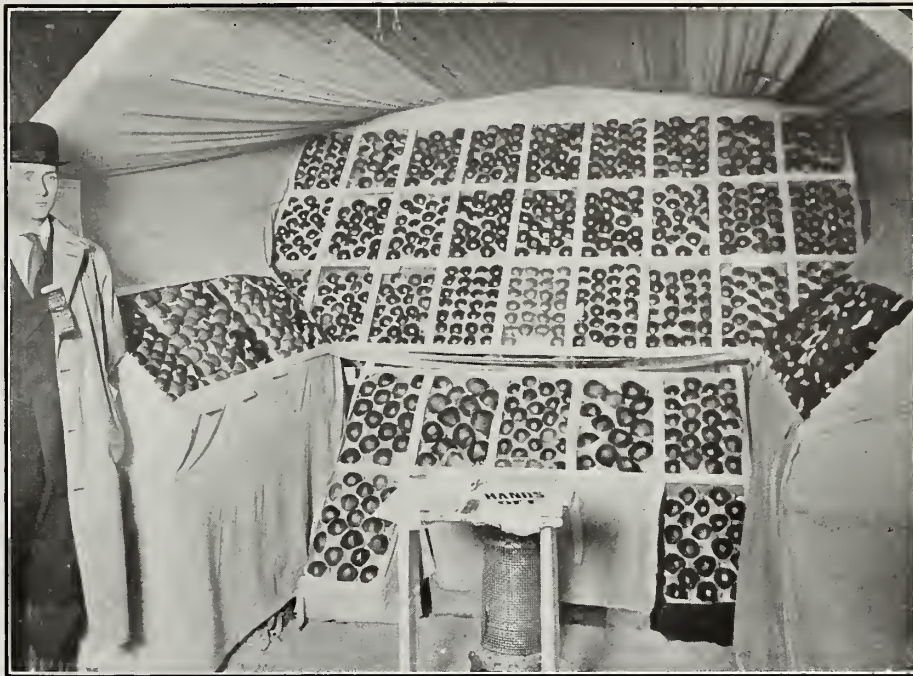


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane
OREGON CITY, OREGON, COMMERCIAL CLUB DISTRICT DISPLAY AT THIRD NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910



EXTERIOR VIEW OF ARMORY BUILDING, SPOKANE, WASHINGTON

Additional to this, many acres surrounding it were covered with temporary buildings, in which was held the Third National Apple Show, Spokane, Washington, 1910.



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane
SHOSHONE, IDAHO, DISTRICT DISPLAY AT THE THIRD NATIONAL APPLE SHOW SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910

CANADIAN NATIONAL APPLE SHOW, VANCOUVER

BY MAXWELL SMITH, EDITOR FRUIT MAGAZINE AND MANAGER OF THE SHOW, VANCOUVER, B. C.

WE claim that the First Canadian National Apple Show was the greatest in the world's history, not only because it was the largest collection of strictly exhibition apples, but because it was the best in quality of exhibits, artistic arrangement, staging, lighting, decorating and general education value. These features, together with the high-class musical entertainment furnished by the 48th Highlanders Band, and the total absence of side-shows, fakirs, and the usual circus features of

the ordinary fall fair, gave a dignity and class to the whole affair of which the management may well feel justly proud.

The show was national in every sense of the term, and might with due modesty be designated as the first really National Apple Show ever held, because there were exhibits present from every apple-growing province in Canada, and the Federal Government not only recognized it by contributing toward the expense, but sent an educational exhibit in charge of a special commissioner.

Notwithstanding extremely disagreeable weather during the entire week, the attendance was good, and the interest increased daily to the end.

The gates were opened to the public promptly at 9 o'clock on the morning of Monday, October 31st, and long before the official opening, which took place at 2:30 in the afternoon, every inch of standing room in the great buildings was occupied, and the spacious galleries surrounding the arena packed to their utmost capacity.

The grand procession started from the Vancouver City Hall at 1:30, and as the platoon of mounted police, followed by the 48th Highlanders, turned the corner on to Hastings street, the assembled crowds burst forth with cheers of delight and enthusiasm, the clamor fairly reaching the height of a tumult. Then followed a long line of automobiles, in which were seated the board of management of the Apple Show, judges, representatives of the Dominion and Provincial Governments, City Council, Board of Trade and many distinguished visitors. Next came the bugle band escorting the Lieutenant-Governor's carriage, who was accompanied by his private secretary, his worship Mayor L. D. Taylor,



Engraved by Hicks-Chatten Co., Portland, Oregon

FIRST PRIZE DISTRICT DISPLAY, WON BY BOARD OF TRADE, KELOWNA, B. C.
CANADIAN NATIONAL APPLE SHOW, VANCOUVER, B. C., 1910



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

EXHIBIT OF APPLES FROM EVERY PROVINCE OF CANADA, BY THE DOMINION DEPARTMENT OF AGRICULTURE, FIRST CANADIAN NATIONAL APPLE SHOW VANCOUVER, B. C., 1910



MAXWELL SMITH

Manager First Canadian National Apple Show,
Vancouver, British Columbia.

and the Bishop of Westminster. Following this was another long line of citizens in automobiles and carriages, the band of the Sixth Regiment D. C. O. R., boy scouts, the fire department, and many other private equipages. Arriving at the National Apple Show buildings via Hastings, Granville, Nelson and Gifford streets, which were lined with enthusiastic spectators throughout, the speakers of the day made their way to a specially constructed platform at the west end of the great arena.

There were seated with Mr. J. N. Ellis, vice-president of the Apple Show Association, His Honor Lieutenant-Governor Paterson, Mr. Musket (the Lieutenant-Governor's private secretary), Bishop De Pencier, Hon. R. McBride, Hon. W. J. Bowser, Mayor Taylor, Mr. H. A. Stone (representing the Board of Trade), Mr. Elliott S. Rowe (secretary of the Vancouver Tourist Association), Mr. Ralph Smith, M. P., Mr. Maxwell Smith (manager of the National Apple Show), Mr. A. E. Lees (chairman of

the Park Board), Mr. W. E. Scott (Deputy Minister of Agriculture), Mr. J. S. Thompson (representing the Trades and Labor Council), Mr. J. A. Ruddick (Dominion Dairy Commissioner), and Mr. T. F. Paterson.

Mr. J. N. Ellis presided, and called on the Bishop of Westminster to make the opening invocation, which was very impressively done, Bishop De Pencier's fine voice being heard clearly throughout the building.

Mayor L. D. Taylor, in welcoming the visitors on behalf of the city, said it was a great day of the city, the Province and the Dominion, and it was with a feeling of pride that they recalled that the idea of a Canadian National Apple Show was born in the mind of a Vancouver man—(applause)—and that it should have taken a definite form in this city. To his mind it was an expression more than could be uttered in words of Vancouver's recognition of the fertility of the lands adjacent. The West had long been famous for its fruit production. Throughout the world the fame of California was known long ago, and today in British Columbia apple was king. They heard much of Canada as a nation, and in this show was British Columbia's acknowledgment of that sentiment.

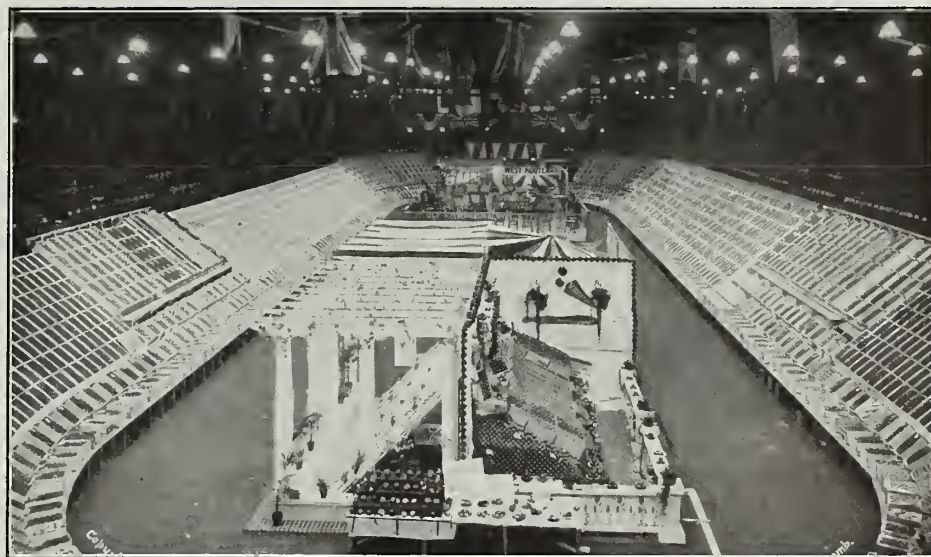
"In looking over this show," said the Mayor, "I am less disposed than ever to blame Mother Eve for the apple episode. And I am glad to say that since the inception of this show the apple of discord has not been in evidence. Paris had an easy task in awarding the apple compared with what the judges of this show will have in deciding between so many first-class exhibits."

Hon. R. McBride, Premier of British Columbia, on rising to welcome the visitors on behalf of the Province, was given a very hearty reception. He said it gave him particular pleasure to assist in the opening of such a magnificent exhibition in the city of Vancouver, because the people of the Province, whether they came from Kootenay or the northwestern sections, always claimed that the city of Vancouver was the great commercial center of British Columbia, typical of all that enthusiasm and energy that had done so much to build up Western Canada.

"When this Apple Show was first mentioned," said the Premier, "it was acknowledged that the undertaking must be one of great magnitude—for the management. Fancy this Province, which a few years ago was not known as a fruit-growing country, in this year 1910 having the enterprise and courage to launch the first National Apple Show. But those of us who know the country and its possibilities felt sure from the start that the management, with that unbounded faith in the country they have shown, was bound to make this (as Mr. Ellis tells me it is) the greatest show of its kind in the history of the world. (Applause.) When Vancouver undertakes anything she always makes good, and this show is one of the most attractive illustrations of this that could be given to the world at large.



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon
DISTRICT DISPLAY FROM KAMLOOPS, B. C., FIRST CANADIAN NATIONAL APPLE SHOW
VANCOUVER, B. C., 1910



Engraved by Hicks-Chatten Co., Portland, Oregon
GRAND VIEW OF EXHIBITS ARRANGED IN THE ARENA OF THE HORSE SHOW BUILDING
AT THE FIRST CANADIAN NATIONAL APPLE SHOW, VANCOUVER, B. C., 1910
Showing in the circle the two carloads, Spitzenbergs and Grimes Golden, from Yakima, Washington, the carload from Grand Forks, B. C., and the ten, five and one-box exhibits. In the center are shown the different district displays.

NO 638 SPOKANE, WASH. Dec. 5 1910

NATIONAL APPLE SHOW, Inc.

Pay to the Order of C. H. Sproat \$1250.00

One Thousand Two Hundred Fifty & 00/100 DOLLARS

PAID AT THE OLD NATIONAL BANK

NATIONAL APPLE SHOW, Inc.

Engraved by Hicks-Chatten Co., Portland, Oregon

CHECK PAID TO C. H. SPROAT, HOOD RIVER, OREGON, BY NATIONAL APPLE SHOW
This check represents the first prize of \$1,000 for the sweepstakes car and the first prize of \$250 for the best carload of Spitzenbergs at the National Apple Show, Spokane, Washington



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

VIEW OF THE ANNEX OF THE CANADIAN NATIONAL APPLE SHOW, VANCOUVER, 1910
This view shows the carloads from Summerland, Kelowna, Vernon and Victoria, British Columbia, besides the carloads from Medford, Oregon, and Wenatchee, Washington. Plate exhibits are shown in the center of the aisle running the full length of the building. The building was 350 feet long.



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

FIFTH PRIZE DISTRICT DISPLAY, WON BY J. E. LACEY, SALMON ARM, B. C.
CANADIAN NATIONAL APPLE SHOW, VANCOUVER, B. C., 1910



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

GOLDENDALE, WASHINGTON, DISTRICT DISPLAY AT THIRD NATIONAL APPLE SHOW
SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

"I am asked to give on behalf of this Province to our friends from abroad a most hearty welcome, and most readily do I undertake that task. I think that in this Province we are regarded as a hospitable people, and I think that the strangers who have come among us will leave with the impression that they have been in the house of friends."

The Premier continued that nothing had been done in the Province which showed what British Columbia was capable of more than the development of fruit-growing. Only a few years ago people in the East had the impression that British Columbia was nothing more than a huge mountainous section. It was not then considered as a place where fruit could be successfully grown from a commercial standpoint, but nothing was so typical of its potentialities as the development of fruit-growing. Ten years ago unknown as a fruit-growing country; today in competition with all parts of the British Empire carrying off the highest awards. (Applause.) That was enough to show what British Columbia might do in any line of commercial development, when there were the means and the men behind it. Just as they had done in fruit-growing they would do in other lines.

"Before I resume my seat," said the Premier, "there is one name I must mention in this connection. It is that of your fellow-townsmen, Mr. Maxwell Smith—(hear, hear)—to whom great credit is due for the part he has taken in bringing about this exhibition. And I am sure the warmest thanks of the people of this country will be accorded to the man who has done such a noble as well as such a useful task." (Applause.)

Hon. Mr. Bowser, Acting Minister of Agriculture and Finance, said that while it was with pleasure he had come to take part in opening the show, his pleasure knew no bounds when he arrived in that building and saw the great concourse of visitors and the magnificent display of fruit. The management had brought together an apple show of which any country might be proud.

"I might state," said Hon. Mr. Bowser, "for a few moments, the great progress that has been made in fruit-growing in this Province within the past few years. A few years ago, the acreage under fruit was very small, but here in 1910 we have 120,000 acres under fruit culture. We have been successful at five Royal Horticultural Shows in London in carrying off the gold medal in competition with the whole British Empire, and these medals will be on exhibition here today. Eight years ago our fruit values were less than \$400,000, and in 1910 they are over \$2,000,000; and after the consumption of fruit in this Province we expect to ship out over a thousand carloads to the Northwest and other provinces. We have shipped already one carload consigned to the British Isles for exhibition only, and after this show we expect to send another carload for exhibition there. I understand that eleven out of fourteen carloads in this exhibition are from British Columbia."

"We are therefore proud of this, and more than proud that the citizens of Vancouver have given their time and money to bring about an exhibition of this kind, which perhaps the government of the day should have done. And I am more than proud, both as a citizen of Vancouver and a minister of the crown to see this show such a success, and as head of the department of agriculture I am proud indeed to offer my congratulations to the management for the good work they have done." (Applause.)

Mr Ellis then called on Mr Maxwell Smith as the man whose work had made such a show possible in Vancouver that day.

Manager Maxwell Smith, who was received with applause, said:

"Some people have to go to the next world before receiving the reward of their labor, but I am sure that the promoters of the First Canadian National Apple Show have their reward in this beautiful array of exhibits and this splendid gathering of those who have come to show their appreciation and interest.

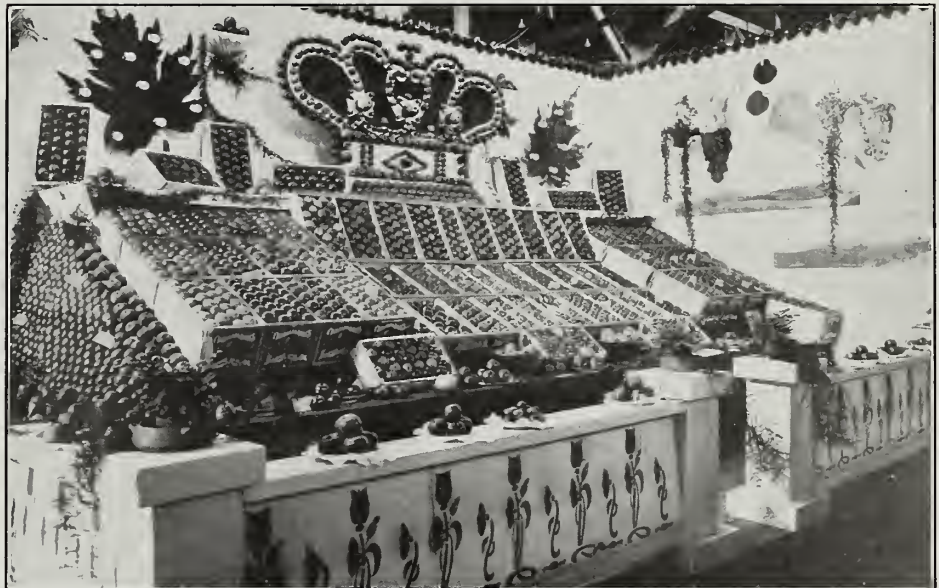
"At first we found many who doubted our ability to carry through the enterprise with any degree of credit to the country, but some of us have faith enough to believe that anything that anybody else can do that is worth doing Canada has a right to undertake. (Applause.) While acknowledging the superiority of no other people on earth, we are always glad to welcome to a friendly contest all who approach us on the basis of a dignified equality, and today we give you the most beautiful and the best Apple Show ever held. (Hear, hear.)

"In this show we have 3,424 exhibits and 194 varieties, not including those of the Dominion Government and Australia, or the window displays of the city, which have never been equalled, and the exhibitors number 287. We have 12 solid carload exhibits, comprising 7,200 boxes, 79 10-box displays, comprising 790 boxes, 74 5-box displays, comprising 370 boxes 734 single-box exhibits and 16 three-box exhibits, comprising 48 boxes, or a grand total of 9,132 boxes, 1,944 plate exhibits, and 407 boxes in pack displays, 6 collections of big apples, 13 entries in the biggest apple contest, 8 freak apples, 6 crab apple displays, 8 district exhibits, 5 limited displays, 119 entries in the apple by-products and 2 photographic displays of orchard scenes, making a grand total of about 20 carloads of exhibits.

"These exhibits are gathered from every apple-growing district in Canada, the neighboring States of Oregon and Washington, and from Tasmania. So that our show is not only national in the truest sense of the term, but international in its character. Time will not permit me to refer in detail to the excellencies of the various districts from which the exhibits are assembled; but I should like to express our appreciation of the Australian exhibit and the educational value of the Dominion Government's display, which is in charge of Mr. J. A. Ruddick.



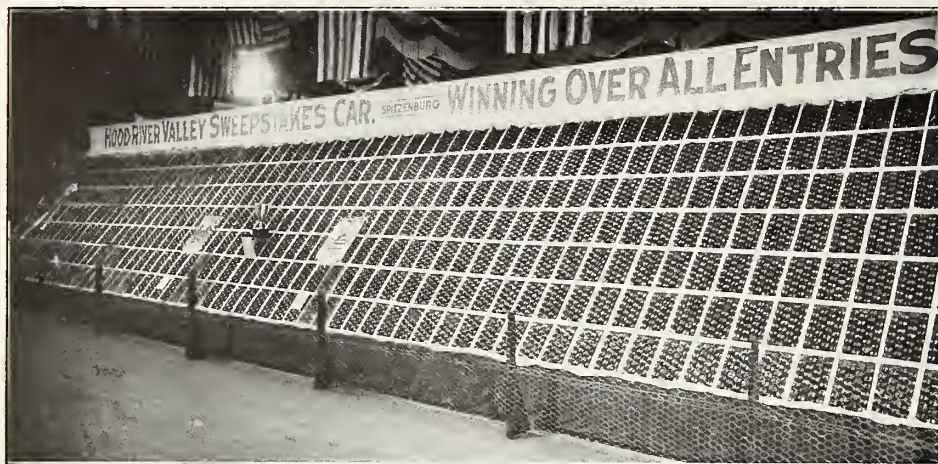
Engraved by Hicks-Chotten Co., Portland, Oregon
DISTRICT DISPLAY FROM NANAIMO, B. C. FIRST CANADIAN NATIONAL APPLE SHOW
VANCOUVER, B. C., 1910



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon
THIRD PRIZE DISTRICT DISPLAY, WON BY VERNON, B. C. BOARD OF TRADE
FIRST CANADIAN NATIONAL APPLE SHOW, VANCOUVER, B. C., 1910

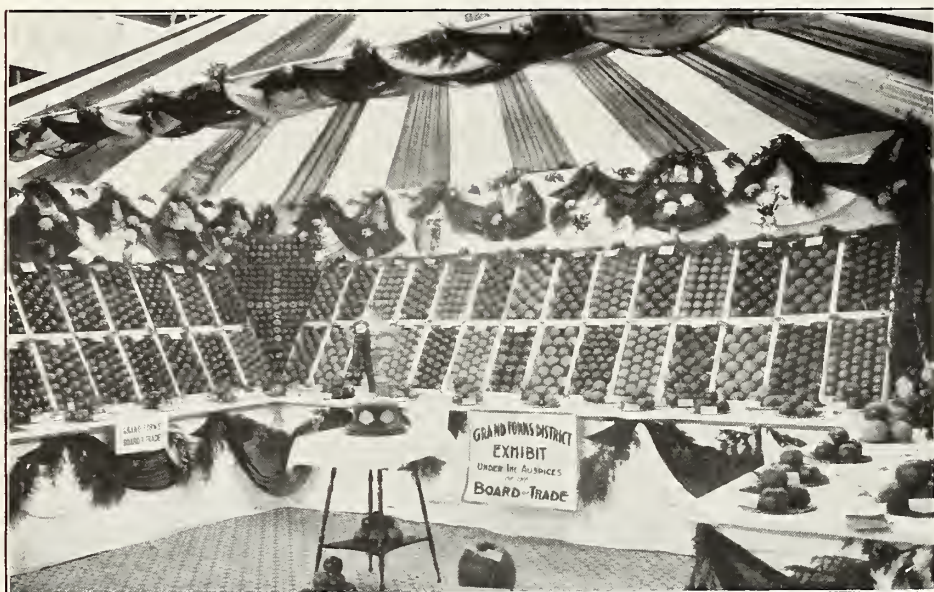


Engraved by Hicks-Chatten Co., Portland, Oregon
DISTRICT DISPLAY FROM WEST KOOTENAY, B. C. FIRST CANADIAN NATIONAL APPLE
SHOW, VANCOUVER, B. C., 1910



Engraved by Hicks-Chatten Co., Portland, Oregon

SPROAT CAR OF HOOD RIVER SPITZENBURGS, NATIONAL APPLE SHOW, CHICAGO
Winner of the sweepstakes solid silver cup, value \$500, given by the Chicago Association of Commerce, consisting of sixty-two affiliated associations. This car was exhibited at the Spokane National Apple Show, winning the sweepstakes prize of a check for \$1,000 for the best car of apples exhibited, and also winning the first prize of \$250 for the best car of Spitzenburgs.



Engraved by Hicks-Chatten Co., Portland, Oregon

SECOND PRIZE DISTRICT DISPLAY, WON BY GRAND FORKS, B. C., BOARD OF TRADE
FIRST CANADIAN NATIONAL APPLE SHOW, VANCOUVER, B. C., 1910

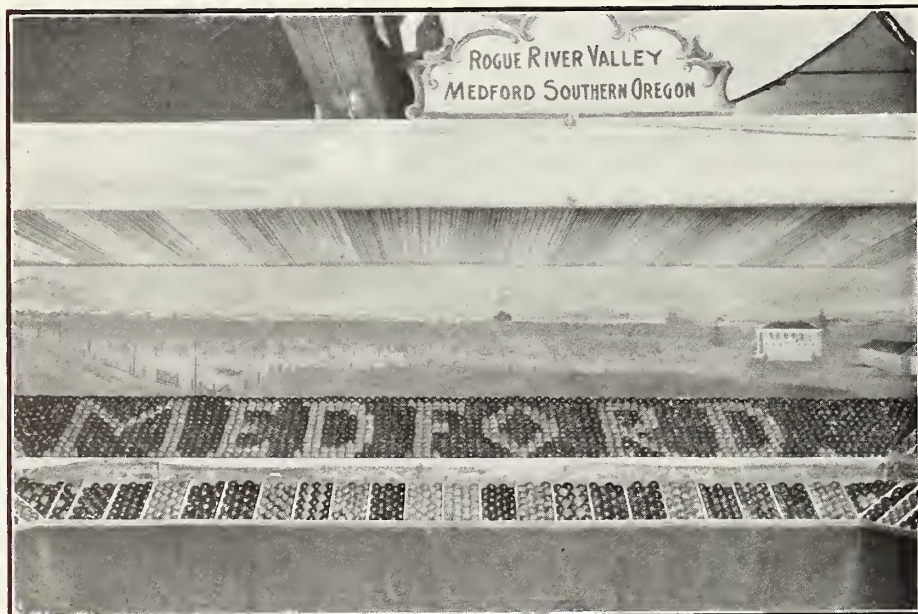


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

MEDFORD, ROGUE RIVER VALLEY, OREGON, DISTRICT DISPLAY AT THIRD NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

"Our thanks are especially due, not only to the press of Vancouver and British Columbia in general, who have rendered yeoman service, but to the newspapers and magazines of the whole Dominion, and many of those in the United States, Australia and Great Britain. For substantial financial assistance we are deeply indebted to the Canadian Pacific Railway, the Great Northern Railway, the B. C. Electric Railway, his worship the Mayor and city council of Vancouver, and the citizens of Vancouver, who by private subscription have contributed most of the money necessary to the successful carrying out of this enterprise.

"And we are glad to note that the Dominion Government, while giving us an example of the time-honored tradition that large bodies move slowly, have not failed to climb into the chariot of progress as it rolls swiftly by on the heels of the prancing steeds of nature and science. (Laughter and applause.) In the scientific utilization of mother earth and God's quickening sunlight we have in this splendid show of the King of Fruits a triumphant exemplification of the innate dignity of honest labor. Right here I have a pleasant duty to perform.

"Some time ago I received from the Natural Resources Security Company, Limited, of this city, a cheque for \$500 with instructions to devote the amount to any department I saw fit, on condition that I did not make the announcement until today. I take pleasure in asking the judges to award this \$500 prize to the best district display. (Applause.)

"As the successful cultivation of the apple is the supreme test of soil and climate, let me say to those seeking a country in which conditions are all that go to make human life pleasant and profitable, seek ye first the kingdom of the apple, and other things needful in the sphere of agriculture will be added unto you. (Laughter.) On behalf of the board of management of the greatest Apple Show, held in the greatest city, in the greatest province, in the greatest Dominion, in the greatest Empire that the world has ever seen—(applause)—I bid you welcome from south of the international border, from across the rolling Atlantic and the broad Pacific, to this fair young nation whose star of future power, wealth and influence is in the ascendant, and is shining forth in the northern sky with ever-increasing luster and brilliancy. Our every hill and valley is pregnant with a wealth of natural resources, and on this coast, in summer, the earth laughs with fatness, and in winter the very heavens weep for joy. (Loud laughter and applause.)

"I hope you will take full advantage of our hospitality so warmly proffered by his worship the Mayor, thrice welcome to the city of the 'Lions' Gateway,' Vancouver, Chaste Queen of the Golden West, who holds in her right hand a harbor in which all the navies of the British Empire might ride in safety, but which is happily better employed in accommodating a goodly share of the commerce of the world. In her left she holds the business end of the mighty Fraser

River with the greatest salmon fisheries of the world, whose feet are kissed by the ebb and flow of the peaceful waters of the Pacific, and whose smile reflects the glory and splendor of the western sun as he modestly retires behind the rugged profile of Vancouver Island, and whose environs present a panorama of beauty and grandeur which defines the matchless skill and cunning hand of the world's greatest artist to reproduce in miniature." (Applause.)

Mr. Ellis said that he had intended to make a speech, but after Mr. Maxwell Smith and the other speakers, he (the chairman) thought he had better say nothing, and with a few remarks he called on his honor Lieutenant-Governor Paterson to open the show.

His honor the Lieutenant-Governor said that he felt that any words of commendation from him would be a mere attempt to paint the lily. The exhibition spoke for itself much louder than he could speak for it, nor was it needful for him to speak in commendation of the board of management: their work was spread out before them and spoke for itself. It had already been demonstrated that in British Columbia as a fruit-growing country they had the climate, the soil and the markets, and it only remained for the people to show intending fruit-growers that they could get a reasonable interest on their investment and good returns for their labor, and they would come in. Such an exhibition as this showed what could be done, and must be followed by good results. By virtue of his office as lieutenant-governor of the Province it was a great pleasure to him to declare open the First Canadian National Apple Show.

At this point the band of the 48th Highlanders struck up "God Save the King" and "the Maple Leaf," amidst tremendous enthusiasm, the bugles of the 6th Regiment D. C. O. R. sounded, and the greatest Apple Show in the world's history was a reality.

The great show was brought to an end on Saturday evening, November 5th, with the final concert of the famous 48th Highlanders Band, which closed with "Auld Lang Syne" and "God Save the King."

Precisely at 11 o'clock Manager Maxwell Smith mounted the platform, and in a few brief words thanking the exhibitors, visitors, the band, and all who had contributed to the success of the undertaking, officially declared the First Canadian National Apple Show closed, which was followed by three ringing cheers and a tiger from the people in the surrounding galleries.

The Pomological Convention, called at the request of many prominent fruit-growers in the United States and Canada, and under the auspices of the First Canadian National Apple Show, met in the Pender Hall, 804 Pender street, Vancouver, at 10 a. m. on Wednesday, November 2nd, there being present upwards of one hundred delegates from many points in the fruit-growing districts of the American continent.

Mr. Maxwell Smith, on motion, duly seconded, was elected chairman of the

convention, and briefly recited the object of the meeting to consider and recommend that certain amendments be made to the rules, governing standards of values of certain varieties of apples, of the American Pomological Society.

The chairman gave it as his opinion that it was unfair to establish standards of values of different varieties of apples when compared with each other as grown in any one province or state, and that the highest degree of perfection obtainable in any part of the continent should be the basis of value placed on each particular variety. That is to say, the standard of the Gravenstein should be based on its quality as produced in such districts as the Annapolis valley in Nova Scotia or the Kootenays in British

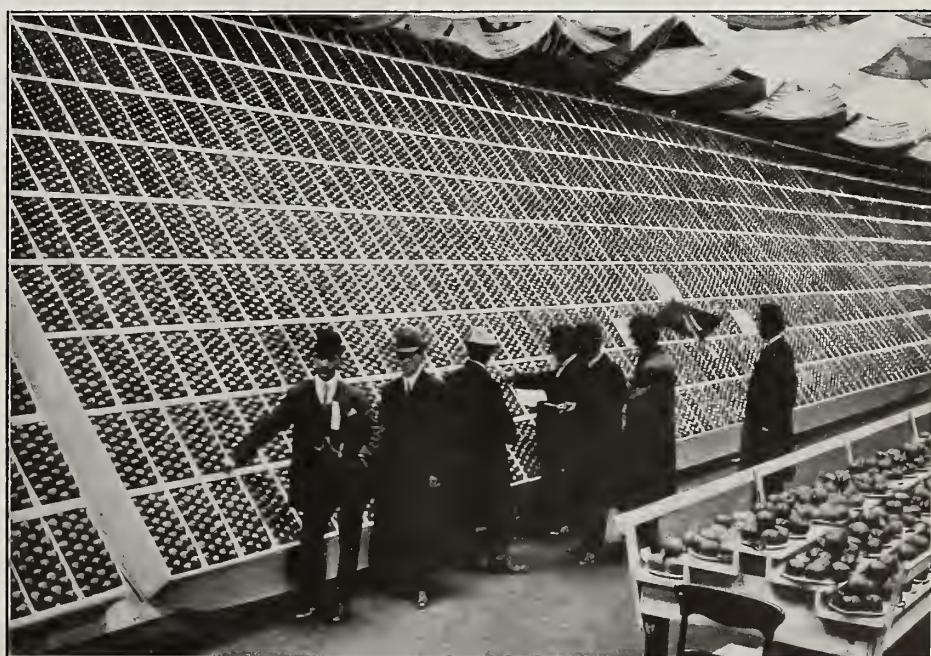
Columbia; the Fameuse and McIntosh as produced in the neighborhood of Montreal, Quebec; the Baldwin and Northern Spy as produced in the best districts of Ontario, Michigan and New York; and the Jonathan, the Spitzenberg, the Yellow Newtown, the Winesap, the Grimes' Golden, etc., as produced in the best irrigated districts of British Columbia, Washington and Oregon. If this were done fruit-growers would be encouraged to specialize in those varieties of high commercial value which could be produced to the highest degree of perfection in their respective districts.

Many prominent fruit-growers took part in the very practical discussion which followed, including Professor H. E. Van Deman, of Washington, D. C.,



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

FOURTH PRIZE DISTRICT DISPLAY, WON BY W. H. ARMSTRONG, KEREMEOS, B. C.
CANADIAN NATIONAL APPLE SHOW, VANCOUVER, B. C., 1910



Engraved by Hicks-Chatten Co., Portland, Oregon

SWEESTAKES CARLOAD OF JONATHAN APPLES FROM KELOWNA, B. C.
One hundred and twenty to the special box, diagonal pack. One of the most magnificent carloads in color, pack and uniformity ever put on exhibit. First Canadian National Apple Show, Vancouver, 1910.

Professor F. C. Sears, of Amherst Mass., Professor G. E. Rowe, of Michigan, and Professor Wilbur K. Newell, of Oregon. After a very interesting discussion, Messrs. G. E. Rowe, of Michigan, Martin Burrell, of British Columbia, and W. K. Newell, of Oregon, were appointed a committee to draft a resolution in accordance with the ex-

pressed opinions of the convention. The following is the committee's report.

"In the opinion of your committee there are many changes that should be made in the rating of varieties given by the American Pomological Society, and we recommend that the next meeting of the American Pomological Society appoint a new committee to revise the rat-

ing, making a double rating, basing it upon quality and commercial value as found in the localities or districts where the varieties are grown to the highest state of perfection. We also recommend that each apple-growing district on the continent that has a local society be requested to make recommendations regarding ratings of apples grown to perfection in their respective districts to the American Pomological Society at its next meeting, in order that the new committee that will undoubtedly be appointed may have proper data at hand to assist them in their very important work.

"Your committee also recommend that amongst other changes should be the following: That McIntosh Red be raised to 8-9, Winesap to 9, Northern Spy to 10, and Baldwin to 6-7. (Signed) G. E. Rowe, Martin Burrell, W. K. Newell."

Competition in the different classes was very keen. The great interest manifested by the growers fully compensates the promoters of this first show, and assumes the success of future undertakings. A partial list of the prize winners follows:

Class 1, Carload Northern Spy—Coldstream Estate Co., Limited, Vernon, B. C., \$500. Spitzenberg—Sawyer Land Company, Sunnyside, Wash., \$500. Yellow Newtown—Medford Commercial Club, Medford, Oregon (grown by E. Renshaw), \$500; C. Starcher, North Yakima, Wash., \$250. Grimes Golden—Sawyer Land Company, Sunnyside, Wash., \$500. King of Tompkins—Victoria Fruit-growers' Exchange, \$500. Mixed—Summerland, B. C., Agricultural Society, \$500; Vernon, B. C., Board of Trade, \$250; Mike Horan, Wenatchee, Wash., \$100. Jonathan—Kelowna, B. C., Board of Trade, \$500. Sweepstakes—Kelowna, B. C., Board of Trade, \$1,000 and \$100 solid gold medal; Summerland, B. C., Agricultural Society, 5 acres of fruit land, valued at \$750, by A. J. Smythe, Peachcliff, Okanagan Falls, B. C., and \$50 solid silver gold-embossed medal; Medford, Ore., Commercial Club, \$25 solid silver medal.

Class 2, District Display. Kelowna, B. C., Board of Trade, \$500 cash and 100 solid gold medal; Grand Forks, B. C., Board of Trade, \$250 cash and solid silver gold-embossed medal; Vernon, B. C., Board of Trade, \$100 cash and \$25 solid silver medal; W. H. Armstrong, Keremeos, B. C., \$50 cash and \$10 bronze medal; J. E. Lacey, Salmon Arm, B. C., \$25 cash and diploma.

Class 3, Ten-Box. Northern Spy—F. R. E. De Hart, Kelowna, B. C., \$100; Coldstream Estate Co., Limited, Vernon, B. C., \$50; R. H. Fortune, Salmon Arm, B. C., \$25. Gravenstein—Doyle & MacDonald, Willow Point, B. C., \$100; Van Sant & Whipple, Olga, Wash., \$50; R. Owen, Mt. Lehman, B. C., \$25. Fameuse—Quebec Pomological Society, \$100. Spitzenberg—C. L. Green, Wenatchee, Wash., \$100; C. J. Thomson, Summerland, B. C., \$50; F. R. E. De Hart, Kelowna, B. C., \$25. Yellow Newtown—C. L. Green, Wenatchee, Wash., 250 Yellow Newtons 1-year grafts, 4 feet and up, from Washington Nurseries Co., Toppenish, Wash., valued \$62.50, and \$50 cash; F. R. E. De Hart, Kelowna, B. C., \$50; C. Starcher, North Yakima, Wash., \$25. Grimes Golden—F. R. E. De Hart, Kelowna, B. C., \$100; Robt. Lawson, Grand Forks, B. C., \$50; Mrs. John Smith, Spence's Bridge, B. C., \$25. King of Tompkins—Thos. G. Earle, Lytton, B. C., \$100; R. H. Fortune, Salmon Arm, B. C., \$50; Jas. Spiers, West Kootenay, \$25. McIntosh—F. R. E. De Hart, Kelowna, B. C., \$100; C. L. Green, Wenatchee, Wash., \$50; Coldstream Estate Company, Vernon, B. C., \$25. Jonathan—John Conlin, Kelowna, B. C., 50 Royal Anne, 25 Bing and 25 Lambert cherry trees, and 50 Moor Park apricot trees from Quaker Nurseries, Salem, Ore., valued at \$60, and \$50 cash; T. J. Black, Wenatchee, Wash., \$50; F. R. E. De Hart, Kelowna, B. C., \$25. Cox's Orange Pippin—F. R. E. De Hart, Kelowna, B. C., \$100; West Kootenay, \$50. Winesap—Tedford Bros., Wenatchee, Wash., \$100; H. L. Tedford, Wenatchee, Wash., \$50; Yakima County (Wash.) Horticultural Union, \$25.

Class 4, Five-Box. Delicious—T. J. Black, Wenatchee, Wash., \$50; H. L. Tedford, Wenatchee, Wash., \$25. Blenheim—J. T. Bealby, Nelson, B. C., \$50. Wagener—Yakima County Horticultural Union, North Yakima, Wash., 100 Royal Anne cherry trees (Carlton Nursery Co., Carlton, Ore.), value \$35, and \$25 cash; O. P. Appleton, West Kootenay, \$25; O. P. Appleton, West Kootenay, \$10. Rome Beauty—C. L. Green, Wenatchee, Wash., 250 Rome Beauty trees (Milton Nursery Co., Milton, Ore.), value \$62.50. Wealthy—R. H. Fortune, Salmon Arm, B. C., 200 Jonathan apple trees (Vineland Nurseries

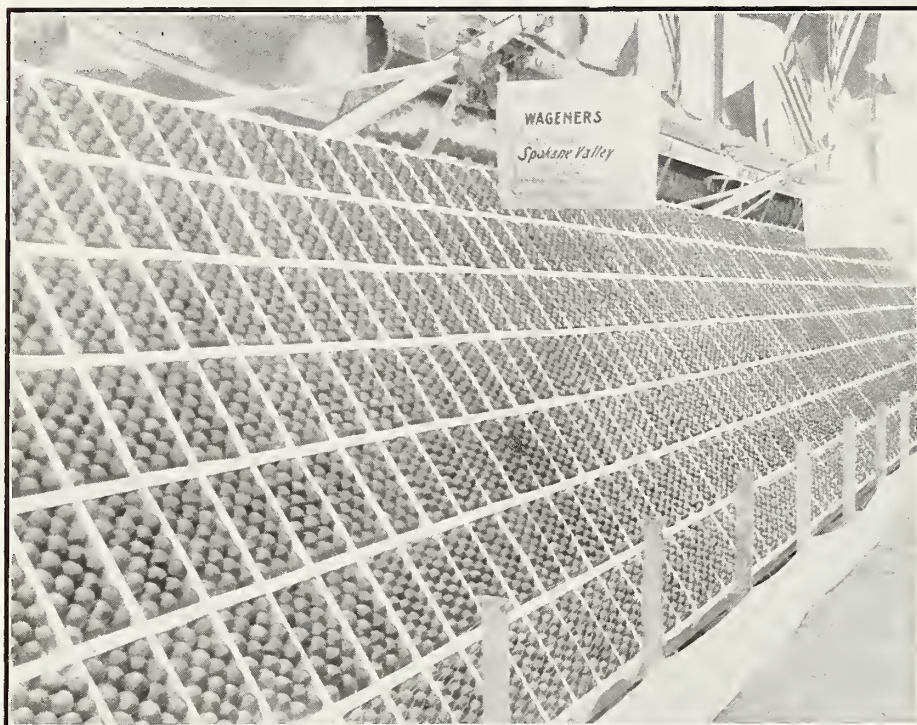


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

FIRST PRIZE CARLOAD OF WAGENERS, GROWN IN SPOKANE VALLEY, WASHINGTON, BY JOSEPH GRANT. NATIONAL APPLE SHOW, SPOKANE AND CHICAGO, 1910

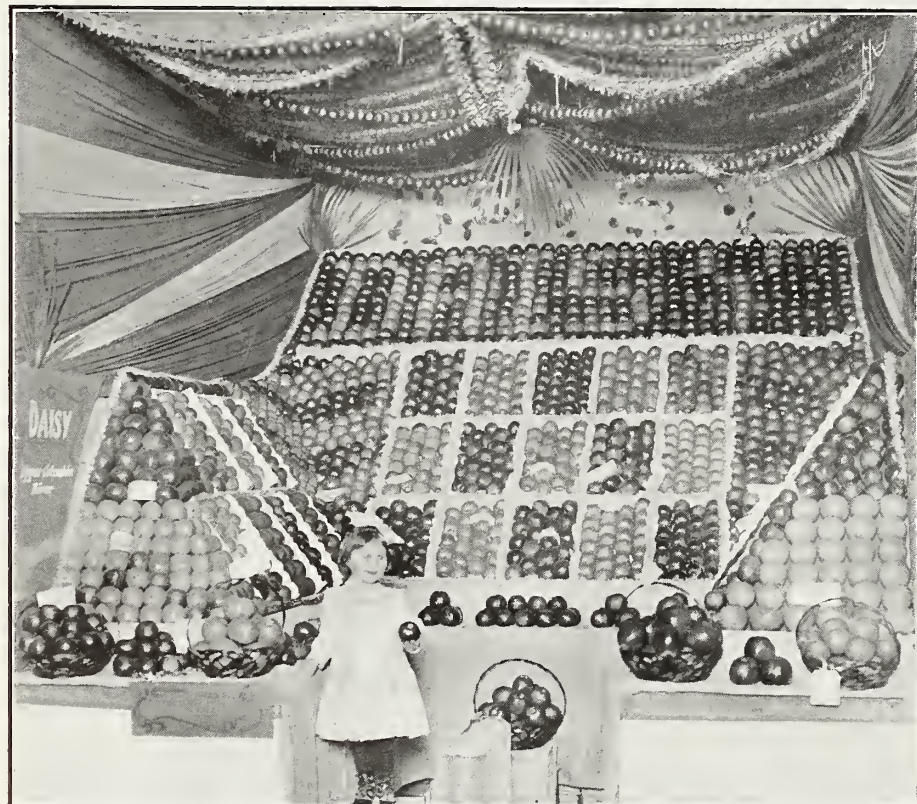


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

DAISY, WASHINGTON, DISTRICT DISPLAY AT THE THIRD NATIONAL APPLE SHOW SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910

Co., Clarkston, Wash.), value \$50, and \$12.50 cash; F. D. Nicholson, Salmon Arm, B. C., \$25; Coldstream Estate Co., Vernon, B. C., \$10. Black Ben—Wm. Tedford, Wenatchee, Wash., \$50. Arkansas Black—Tedford Bros., Wenatchee, Wash., \$50; C. L. Green, Wenatchee, Wash., \$25; Yakima County Horticultural Union, North Yakima, Wash., \$10. Rhode Island Greenings—C. L. Green, Wenatchee, Wash., \$50; W. Green, Wenatchee, Wash., \$25; Jas. Rooke, Grand Forks, B. C., \$10. Ontario—Robert Lawson, Grand Forks, B. C., \$50. Banana—Wm. Tedford, Wenatchee, Wash., \$50; R. H. Fortune, Salmon Arm, B. C., \$25; F. R. E. De Hart, Kelowna, B. C., \$10. White Winter Pearmain—Wm. Tedford, Wenatchee, Wash., \$50; John Scott, Wenatchee, Wash., \$25; F. R. E. De Hart, Kelowna, B. C., \$10. Stayman—T. J. Black, Wenatchee, Wash., \$50; H. L. Tedford, Wenatchee, Wash., \$25; Baldwin—Robt. Lawson, Grand Forks, B. C., 75 pear trees, standard varieties (Capital City Nursery Co., Salem, Ore.), value \$45, and \$20 cash; Mrs. Jas. Rooke, Grand Forks, B. C., \$25; F. R. E. De Hart, Kelowna, B. C., \$10. Yellow Bellflower—J. D. Housberger, Grand Forks, B. C., 50 Franquette walnut trees (Capital City Nursery Co., Salem, Ore.), value \$75; J. T. Bealby, Nelson, B. C., \$25; W. H. Armstrong, Keremeos, B. C., \$10. Mammoth Black Twig—C. L. Green, Wenatchee, Wash., 75 plum trees, standard varieties (Capital City Nursery Co., Salem, Ore.), value \$45, and \$20 cash; Robt. Lawson, Grand Forks, B. C., \$25; F. R. E. De Hart, Kelowna, B. C., \$10. King David—Tedford Bros., Wenatchee, Wash., choice of any nursery stock to value \$50 (Albany Nurseries, Albany, Ore.), and \$15 cash. Red Gravenstein—Van Sant & Whipple, Olga, Wash., \$50. Hubbardston's Nunsuch—F. R. E. De Hart, Kelowna, B. C., \$50; Miss K. Conlin, Kelowna, B. C., \$25.

Class 5, Single-Box. Mammoth Black Twig—Tedford Bros., Wenatchee, Wash., \$25; C. L. Green, Wenatchee, Wash., \$15; Wm. Green, Wenatchee, Wash., \$5. King David—T. J. Black, Wenatchee, Wash., \$25; C. L. Green, Wenatchee, Wash., \$15; Tedford Bros., Wenatchee, Wash., \$5. Snow—Jas. Rooke, Grand Forks, B. C., \$25; F. R. E. De Hart, Kelowna, B. C., \$15; James Johnstone, Nelson, B. C., \$5. Yellow Newtown—Tedford Bros., Wenatchee, Wash., 100 Yellow Newton trees (Oregon Nursery Co., Orenco, Ore.), value \$25, and \$10 cash; C. L. Green, Wenatchee, Wash., \$15; F. R. E. De Hart, Kelowna, B. C., \$5. Black Ben or Gano—Tedford Bros., Wenatchee, Wash., \$25; C. L. Green, Wenatchee, Wash., \$15; R. H. Fortune, Salmon Arm, B. C., \$5. Blenheim—J. T. Bealby, Nelson, B. C., \$25; Victoria, B. C., Fruit-growers' Exchange, \$15; G. & F. Scott, Ganges Harbor, Salt Spring Island, B. C., \$5. McIntosh—Will R. Bartlett, Summerland, B. C., 100 McIntosh Red trees (Oregon Nursery Co., Orenco, Ore.), value \$25, and \$10 cash; C. L. Green, Wenatchee, Wash., \$15; Alex. Stewart, Summerland, B. C., \$5. Wagener—O. B. Appleton, West Kootenay, \$25; C. L. Green, Wenatchee, Wash., \$15; Jas. Rooke, Grand Forks, B. C., \$5. Ortle—Tedford Bros., Wenatchee, Wash., \$25; T. J. Black, Wenatchee, Wash., \$15; C. L. Green, Wenatchee, Wash., \$5. Lady—Tedford Bros., Wenatchee, Wash., \$25; Tedford Bros., Wenatchee, Wash., \$15; F. R. E. De Hart, Kelowna, B. C., \$5. Arkansas Black—T. J. Black, Wenatchee, Wash., \$25; Tedford Bros., Wenatchee, Wash., \$15; C. L. Green, Wenatchee, Wash., \$5. Delicious—C. L. Green, Wenatchee, Wash., \$25; Tedford Bros., Wenatchee, Wash., \$15; F. R. E. De Hart, Kelowna, B. C., \$5. Ribston Pippin—C. L. Green, Wenatchee, Wash., \$25; Wm. Green, Wenatchee, Wash., \$15. Stayman—C. L. Green, Wenatchee, Wash., 100 McIntosh Red apple trees (Crescent Nursery Co., Council Bluffs, Iowa), value \$25, and \$10 cash; T. J. Black, Wenatchee, Wash., \$15; L. A. Taylor, Wenatchee, Wash., \$5. Jonathan—Tedford Bros., Wenatchee, Wash., 100 Jonathan apple trees (Layritz Nursery Co., Victoria, B. C.), value \$25, and \$10 cash; John Conlin, Kelowna, B. C., \$15; C. L. Green, Wenatchee, Wash., \$5. Alexander—J. T. Bealby, Nelson, B. C., \$25; Jas. Johnstone, Nelson, B. C., \$15. Mann—Tedford Bros., Wenatchee, Wash., \$25; T. J. Black, Wenatchee, Wash., \$15; Miss K. Conlin, Kelowna, B. C., \$5. Rihston—Alex. Stewart, Summerland, B. C., \$25; F. R. E. De Hart, Kelowna, B. C., \$15; R. H. Fortune, Salmon Arm, B. C., \$5. Ontario—Doyle & MacDonald, Willow Point, B. C., \$25; J. T. Bealby, Nelson, B. C., \$15; W. Rutherford, Nelson, B. C., \$5. Wealthy—Muir Stewart, Summerland, B. C., 100 E. Spitzenberg apple trees (Fraser Valley Nursery Co., Ltd., Aldergrove, B. C.), value \$25, and \$10 cash; C. L. Green, Wenatchee, Wash., \$15; W. E. Meek, Salmon Arm, B. C., \$5. Canada Red—H. H. Armstrong, Keremeos, B. C., \$25; Doyle & MacDonald, Willow Point, B. C., \$15; W. H. Armstrong, Keremeos, B. C., \$5. Ben Davis—Tedford Bros., Wenatchee, Wash., \$25; T. J. Black, Wenatchee, Wash., \$15; C. L. Green, Wenatchee, Wash., \$5. White Winter Pearmain—C. L. Green, Wenatchee, Wash., \$25; Wm. Green, Wenatchee, Wash., \$15; Yakima County Horticultural Union, \$5. Winter Banana—Tedford Bros., Wenatchee, Wash., 100 Wealthy apple trees (Fraser Valley Nurseries, Ltd., Aldergrove, B. C.), value \$25, and \$10 cash; R. H. Fortune, Salmon Arm, B. C., \$15;

Chas. J. Thomson, Summerland, B. C., \$5. Hubbardston's Nunsuch—F. R. E. De Hart, Kelowna, B. C., \$25; Miss K. Conlin, Kelowna, B. C., \$15. Yellow Bellflower—Doyle & MacDonald, Willow Point, B. C., \$25; C. L. Green, Wenatchee, Wash., \$15; Tedford Bros., Wenatchee, Wash., \$5. Blue Pearmain—J. D. Housberger, Grand Forks, B. C., 100 peach trees, standard variety (Capital City Nursery Co., Salem, Ore.), value \$35; M. H. Wilkinson, Hagens, South Saanich, B. C., \$15; Harry Allberry, Hagens, South Saanich, B. C., \$5. Hoover—T. J. Black, Wenatchee, Wash., \$25; Tedford Bros., Wenatchee, Wash., \$15; C. L. Green, Wenatchee, Wash., \$5. Northern Spy—F. R. E. De Hart, Kelowna, B. C., 100 Rome

Beauty apple trees (Fraser Valley Nurseries, Ltd., Aldergrove, B. C.), value \$25, and \$10 cash; J. D. Housberger, Grand Forks, B. C., \$15; Jas. Gartrell, Summerland, B. C., \$5. Maiden Blush—C. L. Green, Wenatchee, Wash., \$25. Rome Beauty—C. L. Green, Wenatchee, Wash., 50 Montmorency cherry trees (F. W. Mcneray, Crescent Nursery Co., Council Bluffs, Iowa), value \$17.50, and \$17.50 cash; Tedford Bros., Wenatchee, Wash., \$15; T. J. Black, Wenatchee, Wash., \$5. Cox's Orange Pippin—Alex. Stewart, Summerland, B. C., 100 Cox's Orange Pippin trees (Layritz Nursery Co., Victoria, B. C.), value \$35; F. R. E. De Hart, Kelowna, B. C., \$15; F. R. E. De Hart, Kelowna, B. C., \$5.



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

CARLOADS OF NEWTOWNS, GROWN BY A. D. IHELLAM, ASHLAND, OREGON, PACKED BY W. E. PIERSON, ASHLAND, OREGON, WINNING SECOND PRIZE ON CARLOAD OF YELLOW NEWTOWNS, AT NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, AND CHICAGO, ILLINOIS, NOVEMBER 28-DECEMBER 4, 1910

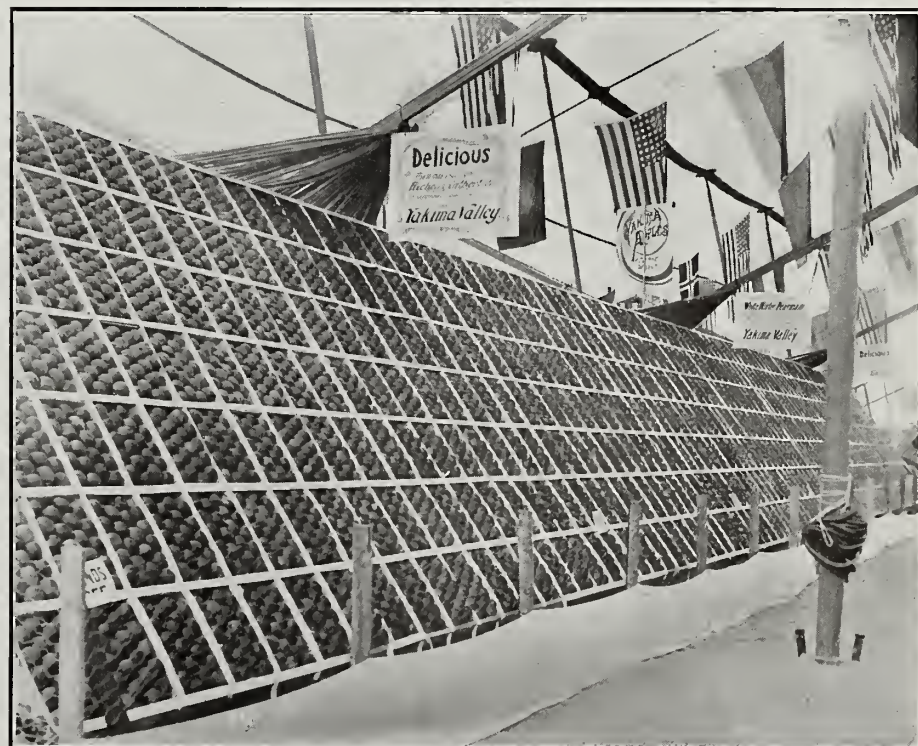


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

FIRST PRIZE MIXED CARLOAD, EXHIBITED BY RICHEY & GILBERT, NORTH YAKIMA, WASHINGTON, THIRD NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, AND CHICAGO, ILLINOIS, NOVEMBER 28-DECEMBER 4, 1910

King of Tompkins—C. L. Green, Wenatchee, Wash., 100 King of Tompkins trees (Layritz Nursery Co., Victoria, B. C.), value \$25, and \$10 cash; R. H. Fortune, Salmon Arm, B. C., \$15; R. H. Fortune, Salmon Arm, B. C., \$5. Spitzenberg—Tedford Bros., Wenatchee, Wash., 100 Esopus Spitzenberg trees (Oregon Nursery Co., Orenco, Ore.), value \$25, and \$10 cash; C. L. Green, Wenatchee, Wash., \$15; Yakima County Horticultural Union, \$5. Gravenstein—J. T. Bealby, Nelson, B. C., \$25; Victoria, B. C., Fruit growers' Exchange, \$15; J. A. Coatham, Sardis, B. C., \$5. Grimes Golden—Tedford Bros., Wenatchee, Wash., 100 Winter Banana apple trees (Fraser Valley Nursery, Ltd., Aldergrove,

B. C.), value \$25, and \$10 cash; F. R. E. De Hart, Kelowna, B. C., \$15; J. T. Bealby, Nelson, B. C., \$5. Winesap—T. J. Black, Wenatchee, Wash., \$25; Tedford Bros., Wenatchee, Wash., \$15; Yakima County Horticultural Union, \$5. Rhode Island Greening—C. L. Green, Wenatchee, Wash., \$25; Jas. Gaskell, Summerland, B. C., \$15; R. H. Fortune, Salmon Arm, B. C., \$5. Baldwin—Tedford Bros., Wenatchee, Wash., 50 Royal Anne cherry trees (Lafayette Nursery Co., Lafayette, Ore.), value \$17.50, and cash \$17.50; C. L. Green, Wenatchee, Wash., \$15; F. R. E. De Hart, Kelowna, B. C., \$5. McMahon White—Doyle & MacDonald, Willow Point, B. C., \$25. Rambo (Extra)—H. Ingalls, Kere-

meos, B. C., diploma. Golden Russett (N. Y.)—H. S. Fanquier, West Kootenay, diploma. Stark—C. M. Tripp, West Kootenay, diploma. Fallwater—H. Ingalls, Keremeos, B. C., diploma.

Limited Display—R. H. Fortune, Salmon Arm, \$250; Kelowna Board of Trade, \$125; West Kootenay Fruit Exchange, \$50; W. H. Armstrong, Keremeos, B. C., \$25.

Biggest Apples—R. H. Fortune, Salmon Arm, B. C., \$150; H. W. Collins, Grand Forks, B. C., \$75; F. R. E. De Hart, Kelowna, B. C., \$50; J. T. Smith, Kamloops, B. C., \$25. Biggest Apple on Earth—Fred L. Post & Sons, Chelan, Wash., \$100 solid gold medal; C. E. Weeks, Kelowna, B. C., \$50 solid silver gold-embossed medal; C. L. Green, Wenatchee, Wash., \$25 solid silver medal; R. H. Fortune, Salmon Arm, B. C., \$10 bronze medal. Freak Apple—C. L. Green, Wenatchee, Wash., \$10 bronze medal.

Pack Awards. 3½-Tier Pack—Tedford Bros., Wenatchee, Wash., \$75; C. L. Green, Wenatchee, Wash., \$37.50; C. L. Green, Wenatchee, Wash., \$12.50; T. J. Black, Wenatchee, Wash., \$10 bronze medal. 4-Tier Pack—H. L. Tedford, Wenatchee, Wash., \$100; Mrs. John Smith, Spence's Bridge, B. C., \$50; J. W. Bennett, Mayne Island, B. C., \$25. 4½-Tier Pack—J. W. Morris & Co., Vancouver, B. C., \$100; Mrs. John Smith, Spence's Bridge, B. C., \$50. 5-Tier Pack—Tedford Bros., Wenatchee, Wash., \$75; C. L. Green, Wenatchee, Wash., \$37.50; W. W. Sawyer, Sunnyside, Wash., \$12.50; Mrs. John Smith, Spence's Bridge, B. C., \$10 bronze medal. Shipping Pack Special—J. W. Cockle, West Kootenay, \$25 solid silver medal; F. R. E. De Hart, Kelowna, B. C., diploma.

Special Sweepstakes—To the winner of the most prizes of all kinds, \$75 solid gold medal, C. L. Green, Wenatchee, Wash.; to the winner of the most first prizes, \$100 gold medal, C. L. Green, Wenatchee, Wash.; to the winner of the most

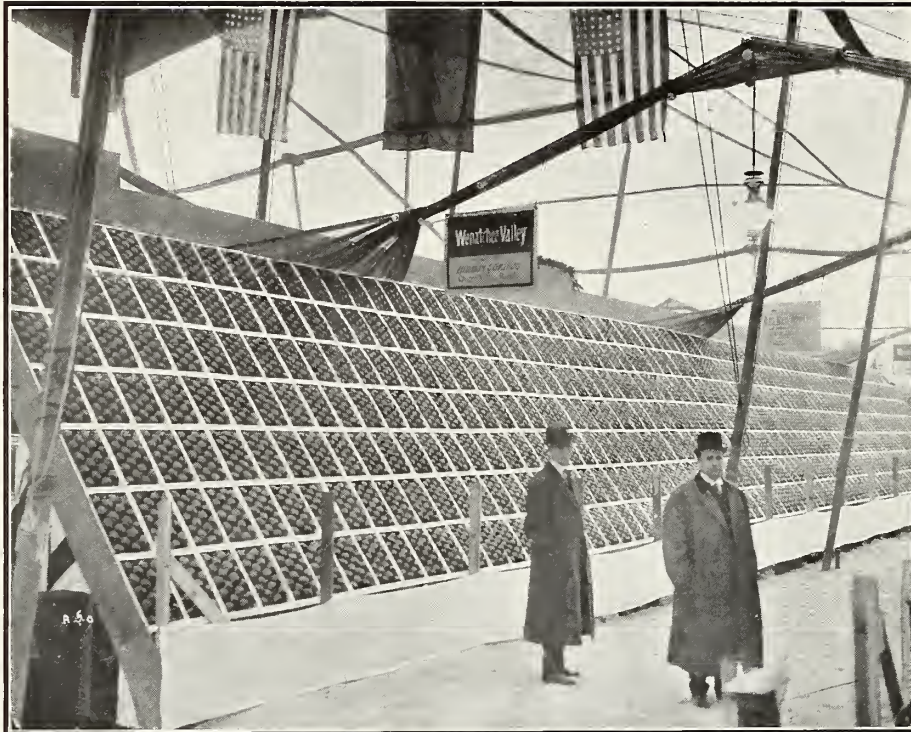


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

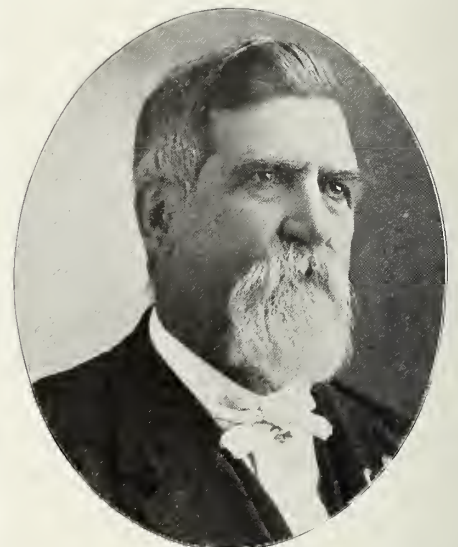
CARLOAD OF SPITZENBERGS EXHIBITED BY HINMAN & GRANDY, CASHMERE, WASHINGTON, WINNING SECOND SWEEPSTAKES CARLOAD PRIZE AND SECOND PRIZE ON SPITZENBERGS, NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

SUNNYSIDE, WASHINGTON, DISTRICT DISPLAY AT THIRD NATIONAL APPLE SHOW SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS



H. E. VAN DEMAN

Contributing editor of "Better Fruit," chief judge at the National Apple Show, Spokane, Washington; Western Montana Apple Show, Missoula, Montana; Canadian National Apple Show, Vancouver, British Columbia; Hood River Apple Show, Hood River, Oregon, and Oregon Apple Show, Portland, Oregon. Chief fruit judge at the Alaskan-Yukon-Pacific and many other great expositions.

first prizes, Single-box Display, \$25 silver medal, Tedford Bros., Wenatchee, Wash.; to the winner of the most prizes in Plate Display, \$25 silver medal, C. L. Green, Wenatchee, Wash.; to the winner of most first prizes in Plate Display, \$25 silver medal, C. L. Green, Wenatchee, Wash.; to the winner of the most first prizes in Class 3, \$75 solid gold medal, F. R. E. De Hart, Kelowna, B. C.; to the winner of most first prizes in Class 4, \$50 solid silver gold-embossed medal, C. L. Green, Wenatchee, Wash.; to the winner of most artistically-arranged competitive exhibit, \$100 solid gold medal, R. H. Fortune, Salmon Arm, B. C.; to the exhibitor making most entries in all classes, \$25 solid silver medal, F. R. E. De Hart, Kelowna, B. C. Fruit Magazine Special—To the winner of most first prizes by any exhibitor in Canada, \$150 solid gold medal, F. R. E. De Hart, Kelowna, B. C. Three Best Boxes or Barrel Sweepstakes—Tedford Bros., Wenatchee, Wash. (Spitzenberg), \$75; C. L. Green, Wenatchee, Wash. (Mammoth Black Twig), \$50; J. T. Bealby, Nelson, B. C. (Golden Russett), \$25.

Crab Apples. Single Box—J. T. Bealby, Nelson, B. C., \$5. Plate Hyslop—F. R. E. De Hart, Kelowna, B. C., \$2; C. L. Green, Wenatchee, Wash., \$1. Martha—C. L. Green, Wenatchee, Wash., \$2. Transcendent—C. L. Green, Wenatchee, Wash., \$2. General Grant—J. T. Bealby, Nelson, B. C., \$2.

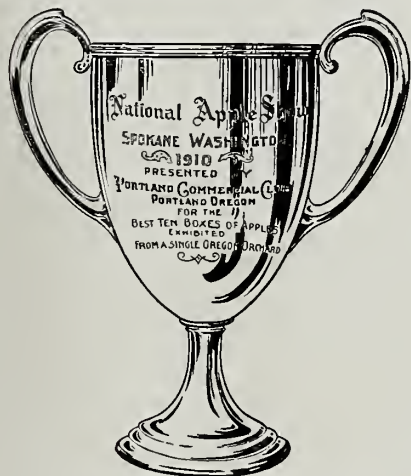
MISSOULA'S WESTERN MONTANA APPLE SHOW

BY A. L. BREITENSTEIN, SECRETARY CHAMBER OF COMMERCE, MISSOULA, MONTANA

TO six men the Missoula Chamber of Commerce let the destiny of the second annual Western Montana Apple Show for the year 1910. It is only necessary to quote the utterances of several apple show experts to prove that this event held at Missoula, October 10th to 15th, was a success. Hon. H. S. Van Deman, of Washington, D. C., considered the best apple judge in the United States and who passed upon the products of this show, in an address to the business men at Missoula remarked: "This is one of the finest and best apple shows for its size that I have ever viewed. Your varieties are excellent and of splendid commercial value, and the quality has increased 300 per cent from the show of 1909." Ren H. Rice, secretary of the National Apple Show, made a special trip to see Missoula's Annual Apple Show, and when escorted into the huge tent where the apples were displayed, stopped short and said, "Amazing, astonishing, wonderful; I had no

and vaudeville stunts that not only amused but brought back spectators a second time. On one side of the tent were the box displays and on the other the plate exhibits. Down the center on each end were the different commercial club booths, showing off their fruits,

Over one hundred varieties of apples were shown, the most prominent being the McIntosh, Jonathan, Belleflower, Gano and Northern Spy. These are considered the leaders in commercial varieties in Western Montana. Of course many other varieties are really excellent



BEAUTIFUL SILVER TROPHY CUP

Given by the Portland Commercial Club for best ten boxes of apples grown in an Oregon orchard. Won by John Hackel, of Hood River, Oregon, National Apple Show, Spokane, Washington, and Chicago, Illinois.

idea western Montana's soil brought forth such surprising varieties as these."

The six men who worked so energetically, earnestly and industriously to shape this special event to auspicious dimensions, were F. M. Lockman, a wholesale grocer, who acted as president; Fred J. Erfert, an expert apple grower, was general vice president, while A. J. Breitenstein, secretary of the Missoula Chamber of Commerce, carried out the publicity ideas and served as secretary and treasurer. The other directors were F. S. Lusk, president of the First National Bank; M. L. Dean, State Fruit Inspector, and A. L. Stone, editor of the Missoulian.

The decorations of the huge tent in which the show was held this year were especially attractive; this tent, 60x130 feet, was broken in the center by a large band stand from which band concerts were given each afternoon and evening. In addition, there were other musical



Engraved by Hicks-Chatten Co., Portland, Oregon

PLATE EXHIBIT AT THE WESTERN MONTANA APPLE SHOW, 1910, MISSOULA, MONTANA

grains and vegetables. In addition there were, of course, vegetable and grain sections, allowing farmers not growing fruits to compete for some very liberal premiums.

This year an expert apple packer gave daily demonstrations on the important and best commercial packs. For the grower this was an interesting part of the show, and was intently watched by eager learners. Lectures and addresses were also given by horticultural experts and fruit growers of renown.

from all standpoints; for instance, the Rome Beauty, Northwest Greening, Aiken, Delicious, Gravenstein, King, Rhode Island Greening and Wagener. Over seven hundred entries were made in the Western Montana Apple Show this year, a large majority of the exhibitors being from the renowned and glorious Bitter Root Valley. The fertile Plains Valley was also well represented, and of course the territory adjacent to Missoula had many entries. Some of the important winners were as follows:



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

VIEW OF THE WESTERN MONTANA APPLE SHOW, FROM THE ENTRANCE, SHOWING ONE CORNER OF THE IMMENSE TENT, MISSOULA, MONTANA, 1910

Best 20 boxes commercial apples—H. A. Briggs, Victor, Mont., first prize, \$50; Valley Mercantile Co., Hamilton, Mont., second, \$30. Jonathans won this premium.

Best display of apples grown in Bitter Root Valley—Ben Kress, Hamilton, Mont., first, \$50.



Engraved by Hicks-Chatten Co., Portland, Oregon
PRIZE CELERY GROWS THE SAME AS
RED APPLES

Exhibited at the Western Montana Apple Show
Missoula, Montana, 1910

Best box McIntosh apples—H. Platt & Sons, of Como, Mont., first prize.

Best commercial packed box of apples—Ben Kress, Hamilton, Mont., first with McIntosh.

Best packed box of Rome Beauty and Northern Spy—Ben Kress, first.

Best 10 boxes McIntosh apples grown in Bitter Root Valley—Ben Kress, first.

Best five boxes McIntosh apples—E. A. Johnson, of Hamilton, Mont., first prize of \$50.

Best 10 boxes commercial apples—H. A. Briggs, first, \$25; O. W. Kerr, Florence, second, \$15; C. E. Lucas, Missoula, third, \$10.

Best five boxes commercial apples—Allomont Orchards, Lo Lo, first \$12, with Aikens; W. A. Wilson, of Paradise, second, and H. A. Briggs, of Victor, third.

Best 10 plates, different varieties grown by one individual—M. H. White, of Florence, first, \$10; J. P. McCain, of Charleton, second, \$5.

Following are a few of the plate winners: The McIntosh prize was \$10, and the others secured \$5; Aiken, Allomont Orchards, Lo Lo; Ben Davis, W. A. Wilson, Paradise; Bellflower, W. H. Rock, Lo Lo; Chenango, H. A. Briggs, Victor; Duchess, H. A. Briggs, Victor; Delicious, H. Platt & Sons, Como; Geno, Mary Westby, Missoula; Grimes Golden, Mary Westby, Missoula; Jonathan, W. A. Wilson, Paradise; King, M. H. Pierce, Plains; McIntosh, Ben Kress, Hamilton; Northern Spy, Ben Kress, Hamilton; Spitzenberg, Wm. Dallas, Missoula; Snow, H. Platt & Sons, Como; Twenty Ounce, C. E. Lucas, Missoula; Wagener, Ben Kress, Hamilton.

Of course the above were merely a few of the many varieties represented; the displays of crabs, pears, peaches, plums and grapes were many and varied. Those with the blue cards attached pulled down many valuable premiums. Over \$3,500.00 was given in cash and special bonuses. There were no carload lots shown, as the directors of the fair decided to eliminate this class, due to lack of display space.

A section that caused a great deal of interesting comment was that set aside for canned goods and oven stuff. There



Engraved by Hicks-Chatten Co., Portland, Oregon
BEST PLATE OF MCINTOSH, AT WESTERN
MONTANA APPLE SHOW, MISSOULA,
MONTANA, 1910

were thirty-three entries for the best apple pie shown, Mrs. Mary Cronburg, of Missoula, capturing the premium, one case of Hills Brothers steel cut coffee, valued at \$15.00.

From all standpoints, and especially from an educational point, the show was a decided success; it gave the exhibitor an opportunity to compare his product with that of his neighbor's, and if superior, ascertain how to improve his conditions or methods. To learn what the correct type is and how to develop it.

A man who makes an early determination to produce display products, studies to improve his methods and gives his crops better care, which tends to improve his entire farm, thereby increasing its value.

It shows to the community what improved methods will produce, thereby stimulating all to do better. It shows to visitors what can be produced and places the exhibitor's farm in the foreground as one of the best in the country.

From the standpoint of the state, it helps to show the world the advantages of the state and the character of the products produced, which adds to the agricultural value of the entire state.

The agricultural value of a state is measured by the quality and quantity of the products of the farm; hence this value rests in the hands of the farmer, and it behooves every soil owner to show the best that can be grown on his farm. Generally the premiums won are sufficient remuneration to pay for all extra labor and time.

The Western Montana Apple Show is fostered by the Missoula Chamber of Commerce, this organization putting up the money to bring before the world one of the resources of the third largest state in the union.



Engraved by Hicks-Chatten Co., Portland, Oregon

VIEW OF THE MISSOULA CHAMBER OF COMMERCE EXHIBIT OF GRAIN, VEGETABLES AND FRUIT WHICH WON THE \$250 CHICAGO, MILWAUKEE & PUGET SOUND RAILWAY PRIZE, WESTERN MONTANA APPLE SHOW, MISSOULA, MONTANA, 1910

OREGON SHOW EXCELS ALL PREVIOUS DISPLAYS

FROM THE WEEKLY OREGONIAN

TWENTY thousand persons visited the Portland Apple Show Wednesday, Thursday, Friday and Saturday of last week in the Majestic Theater building, at Fifth and Washington. The exhibit was held under the auspices of the Oregon State Horticultural Society and far exceeded any display of a similar character in the number of exhibits and in point of attendance ever held in the state.

Hood River exhibitors won nearly every prize of importance. It took the sweepstakes prize, the leading trophy in the show, carrying a \$250 purse. The Dalles won second prize, with \$175, and the Hillsboro Board of Trade was third, gaining a \$75 bounty. When the judge, H. E. Van Deman, of Washington, D. C., passed upon the smaller contests, such as the 25-box competition and the five boxes of Spitzenbergs and Newtowns, Hood River also won, and in the three-box awards Hood River was equally successful.

The displays occupied two floors of the building, each being decorated with the green of the apple leaf and the red of the Spitzenberg. The racks crossed each floor and almost to the ceiling boxes of apples were piled, arranged to harmonize colors of the fruit. Hood River had the largest exhibit, while Mosier, The Dalles and Dufur were not lagging far behind. Washington County had a pretty exhibit, consisting of a shield in colors, with the picture of George Washington in the center. Stars, shields, bars and all of the emblems of the National flag were worked into a large and complete design.

Coos Bay, Yamhill, Salem, Albany, Benton County, Eugene, Lakeview and a dozen other counties and towns were represented on the tables, in the racks or in plates.

One of the most interesting features of the show was the apple pie contest, for which there were several hundred entries. One pie, cooked in a zinc tub, entered by H. H. Haynes, of Portland, was one of the drawing cards of the show.

Homer C. Atwell, of Forest Grove, president, and Frank W. Power of Portland, secretary-treasurer of the Horticultural Society, were re-elected and received many compliments for the manner in which they conducted the show.

Hood River won everything in sight at the Portland Apple Show in the awarding of the prizes Thursday. It was first in the sweepstakes prize, first in the 25-box contest, first in the five-box prize, first in Spitzenbergs and first in Yellow Newtowns. In fact, the only prize worth mentioning that it did not pin to its banner was the three-box Spitzenberg, which was won by the Salem Fruit Union. In point of markings the Hood River apples stood first on account of symmetry, proper size and quality, and the color was all that the presiding judge desired.

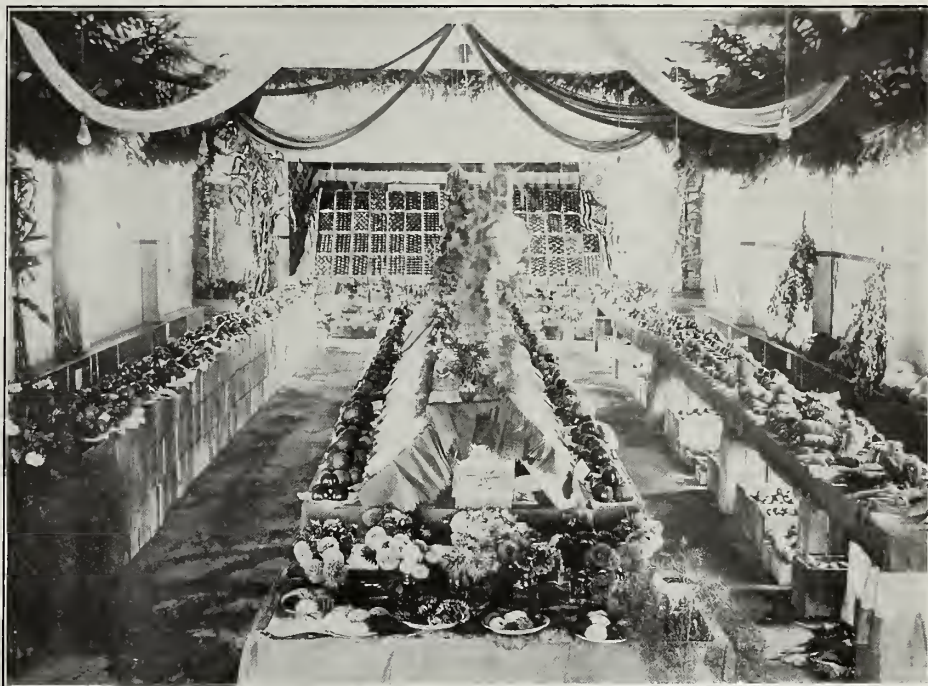
"The Hood River apple-growers," said H. E. Van Deman, the judge, "have

been in so many apple shows that they have the art down almost to perfection. They seem to know just how to pack, how to polish and how to sort for form."

Second place in the sweepstakes prize was won by The Dalles, while the Hillsboro Board of Trade was in third place. The \$250 Louis W. Hill prize for apples

grown in a section tributary to the Great Northern was won by The Dalles. In the contest for the Howard Elliott prize of the Northern Pacific, the Hillsboro Board of Trade received the \$250 donated by the railway.

When Professor Van Deman, in his round of judging, reached the Mosier exhibit and found 30 boxes of three-tier



Engraved by Hicks-Chatten Co., Portland, Oregon
DUFUR VALLEY, OREGON, DISTRICT DISPLAY AT THE DUFUR APPLE SHOW. AT THE OREGON APPLE SHOW, PORTLAND, 1910, A MUCH HANDSOMER DISPLAY WAS MADE, OF WHICH NO VIEW WAS OBTAINED



Engraved by Hicks-Chatten Co., Portland, Oregon
UPPER HOOD RIVER VALLEY, OREGON, DISTRICT DISPLAY AT HOOD RIVER APPLE SHOW AND OREGON APPLE SHOW, PORTLAND, OREGON, 1910

Yellow Newtowns and Spitzenbergs, 54 to the box, he shook his head and said:

"There is no use, boys. You have a good apple, a dandy but it is too large. It will not meet the requirements of standardization adopted by the American Society. With your size too large you will be cut in points so as to put you out of the competition."

This proved a great disappointment to the Mosier exhibitors, who had an exhibit of 150 boxes. The delegation from this growing apple district was composed of C. A. Monger, J. K. McGregor,

Dr. D. Robinson, A. Carpenter, John P. Ross, Fred Shogren and Ed Chase.

The apples have attracted much attention in the two days of the show. Ed Howe, who has the display in charge, said that even if the apples were too big to come within the measurements of the American Society, they found a ready sale, as the whole crop had been disposed of to big hotels and cafes of Chicago and New York. The apples are of high color and splendid shape. It is the policy of promologists, Professor Van Deman said, to keep the size of the apple down,

believing that commercially it will be better in the end.

"We are in the Hood River zone," said J. K. McGregor, "and we believe that the future will show that Mosier has the best apple ground in the world."

The exhibit committee decided to give Mosier special mention as having the largest apples of the commercial varieties.

One of the varieties of apples which is attracting attention is the Vanderpool, which for the first time is exhibited in the Portland show. It is the only genuine Oregon apple known to the orchardist, and he has known it only a few years. Professor Van Deman has refused to give it a rating for the reason that it has not been accepted by the American Pomological Society as a recognized variety. The Vanderpool has a history dating back 80 years. It was in 1870 that David Vanderpool, a pioneer of 1851, who came across the plains with an ox team, noticed a seedling growing outside of his orchard fence in Benton County. He thought nothing of it, and although it was a volunteer, permitted it to grow until it developed into a bearing tree. When the apples were ripe he noticed they were somewhat different in taste and of different size than the Spitzenberg, which it closely resembled. Other seedlings were raised from the volunteer tree.

Before long Mr. Vanderpool had several trees of the same character, all true to the original type. It then dawned upon him that he had a new variety. Even then he paid no particular attention to the tree, except to call the attention of an occasional visitor to the good qualities of the fruit. Finally, at the Albany show a few years ago, the apple was exhibited by David Pombaugh, and considerable curiosity was aroused.

It was evident that there would be a difference of opinion whether it would be recognized as a distinct variety, owing to its close resemblance in color to the Spitzenberg. Application has been made to the American Pomological Society, and action is expected at the next meeting. The Vanderpool is smaller than the Spitzenberg, although as a rule it develops to a good size. Its color is red, one side showing a lighter color, with alternating shades of light and dark red. It is a close-grained apple, possessed of a sub-acid flavor as compared with the strong acid of the Spitzenberg, and it is asserted that it keeps well.

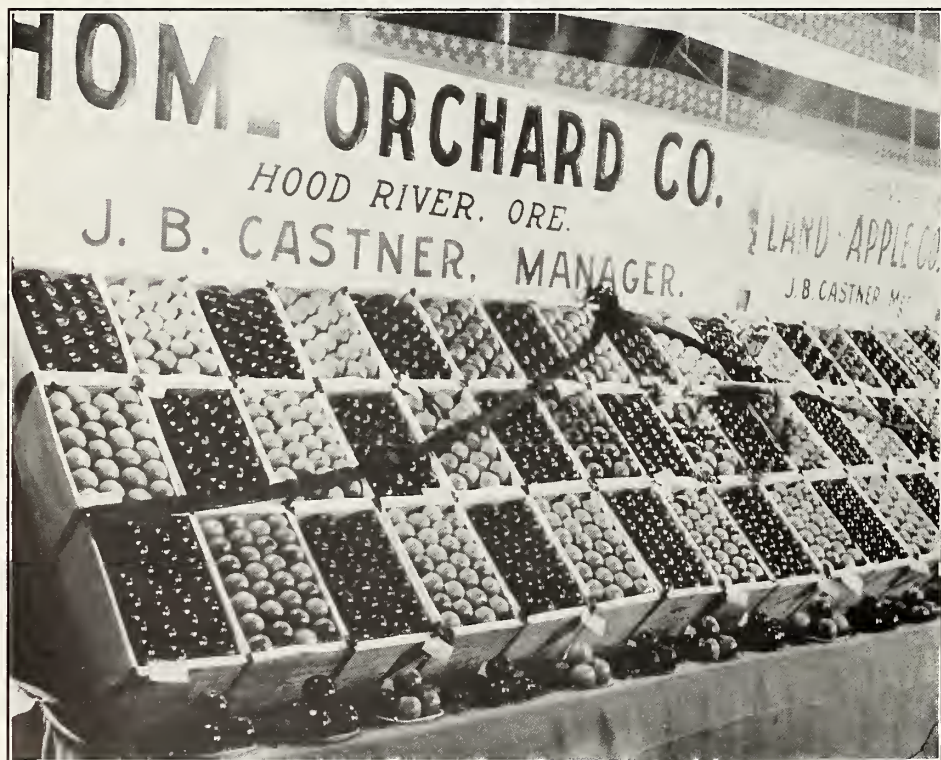
David Vanderpool died several years ago on the home place in Benton County, near the apple tree by which he was known. Today there are hundreds of apple trees in the county, either budded or grafted from the old tree. One man has an orchard of 300.

C. I. Lewis, professor of horticulture of the Oregon Agricultural College, was present with his class in systematic commercial pomology. He took the class during the day from exhibit to exhibit to give the members a practical training in the varieties—name, size, color and shape. He gives his class daily lectures upon the care and protection of the apple



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

MAXWELTON ORCHARD DISPLAY AT HOOD RIVER APPLE SHOW AND OREGON APPLE SHOW, PORTLAND, OREGON, 1910



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

HOME ORCHARD COMPANY DISPLAY AT HOOD RIVER APPLE SHOW AND PORTLAND, OREGON, APPLE SHOW, 1910, WINNING THE SWEEPSTAKES PRIZE AT BOTH HOOD RIVER AND PORTLAND

tree. The class is composed of A. A. Ashber, J. Q. Adams, C. C. Held, H. T. Blase, T. L. Royal, L. E. Palmer, F. W. Clyne, O. H. Elmer, H. E. Walberg, J. M. Speidel and C. C. Thompson.

"Freak" apples, of which there were many on display, have attracted much attention. There is one Spitzenberg apple with a quarter Newtown skin of light green shade. The quarter could be sliced out and an expert would declare that it was from a Newtown. Another odd apple is a Yellow Newtown with two baby apples growing out of the skin. They are plain and well developed. There is a Baldwin with streaks of Arkansas Black skin and another Yellow Newtown is half a Baldwin, the color line being straight and distinct.

Following is a partial list of the awards:

Sweepstakes—First prize, G. R. and John B. Castner, of Hood River, \$250; second prize, The Dalles Business Men's League, \$175; third prize, Hillsboro Board of Trade, \$25.

Louis W. Hill prize of \$250—Won by The Dalles Business Men's League.

Howard Elliott prize of \$250—Won by Hillsboro Board of Trade.

Twenty-five-box lots—First prize, Lawrence & Smith, Hood River, \$100; second, F. C. Dethman, Hood River, \$75; third, L. A. Herman, Hood River, \$50; fourth, J. L. Carter, Hood River, \$25.

Best five boxes (not more than two boxes of each variety)—First, Lawrence & Smith, Hood River, \$50; second, Peter Mohr, Hood River, silver medal; third, J. L. Carter, Hood River, bronze medal.

Best five boxes of Spitzenbergs—First, J. L. Carter, Hood River, \$50; second, F. A. Shogren, Mosier, silver medal; third, Peter Mohr, Hood River, bronze medal.

Best five boxes Yellow Newtowns—First, Home Orchard Company of Hood River, \$50; second, F. B. Friday, silver medal; third, F. C. Dethman, bronze medal.

Best three boxes Spitzenbergs—First, Fred Jacobs, 25; second, Lawrence & Smith, Hood River, silver medal; third, J. L. Carter, bronze medal.

Best three boxes of Ortleys—First, Peter Mohr, Hood River, \$20; second, Butterfield Bros., silver medal.

Best three boxes of Wageners—First, John Hakel, Hood River, silver cup, value \$20; second, H. G. Rumbaugh, Albany, silver medal.

Best three boxes in Mosier district—First, McCarger & Nordby, Mosier, \$20, offered by Portland Hotel; second, F. A. Shogren, Mosier, silver medal; third, James E. Carpenter, Dayton, bronze medal.

Best three boxes in Willamette Valley—First, Edwin Hamer, Salem, \$20; second, N. C. Jorgenson, Salem, silver medal; third, D. C. Van Dorn, Dayton, bronze medal.

Best two boxes, one of each variety—C. J. Tidcombe, of Scappoose, \$20; second, N. C. Jorgenson, Salem, silver medal; third, J. Beebe, Eugene, bronze medal.

Prizes offered by the Corvallis Commercial Club for the various exhibits from Benton County were awarded as follows: Best box of Spitzenbergs, Baldwins, Northern Spys, Kings, Wageners, Ben Davis and best decorated box—H. G. Rumbaugh, Albany, \$5 each.

Lane County awards were: For the best box in Lane County—First, F. L. Waite, Eugene, \$10; second, J. Beebe, Eugene, \$5.

For Linn County the awards were: Best exhibit, Albany Commercial Club, \$35; second, Henry Struckmeir, Thomas, \$15.

N. C. Jorgenson, of Salem, won the first prize for the best exhibit for Marion County.

Best commercial packed box in Willamette Valley—H. G. Rumbaugh, of Albany, \$10; second, D. C. Van Dorn, Dayton, bronze medal; third, Ernest Oleson, Gresham, diploma.

Best box of Spitzenbergs—First, Peter Mohr, Hood River, \$25; second, F. A. Shogren, Mosier, bronze medal; third, M. M. Hill, Hood River, diploma.

Best box of Yellow Newtowns—First, Lawrence & Smith, Hood River, \$25; second, F. P. Friday, Hood River, bronze medal; R. A. McCully, Hood River, diploma.

Best box of Jonathans—First, W. W. Fike, Hood River, \$25; second, H. Struckmeir, Thomas, bronze medal; third, B. Leis, Beaverton, diploma.

Best Baldwins grown West of Cascades—First, F. L. Wade, Eugene, \$10; second, J. Beebe, bronze medal; D. C. Van Dorn, Dayton, diploma.

Best Ben Davis—First, Epping & Rahles, Hood River, family scales; second, L. E. Clarke, Hood River, bronze medal; third, B. Lies, Beaverton, diploma.

Best Arkansas Blacks—First, Lawrence & Smith, Hood River, spraying device; second, Ed F. Reeves, Mosier, bronze medal; third, D. C. Van Dorn, Dayton, diploma.

Best Grimes Golden: First, Henry Struckmeir, Thomas pump; second, W. K. Newell, Gaston, bronze medal.

Best box of Hyde's King—First, Lawrence & Smith, \$10; W. K. Newell, Gaston, bronze medal.

Best Northern Spy—First, Epping & Rahles, Hood River, 100 cherry trees; second, H. F. McCormack, Eugene, bronze medal; third, W. K. Newell, Gaston, diploma.

Best Winter Banana—First, Home Orchard Co., Hood River, 100 cherry trees; second, W. Walther, The Dalles, bronze medal.

Best Delicious—First, W. S. Sherman, Hood River, \$5.

Best Gano—First, Lawrence & Smith, Hood River, \$5; second, B. Leis, Beaverton, bronze medal; third, Ed F. Reeves, Mosier, diploma.

Best King—First, D. C. Van Dorn, Dayton, \$5; second, H. G. Rumbaugh, Albany, bronze medal. Best box of Red-Checked Pippin—First, John Ross, Mosier; second, D. C. Van Dorn, Dayton, bronze medal; third, B. Leis, Beaverton.

Best Rome Beauty—First, W. K. Newell, Gaston, \$5; second, J. F. Dangerfield, Scappoose, bronze medal; third, F. A. Gregory, Portland, diploma.

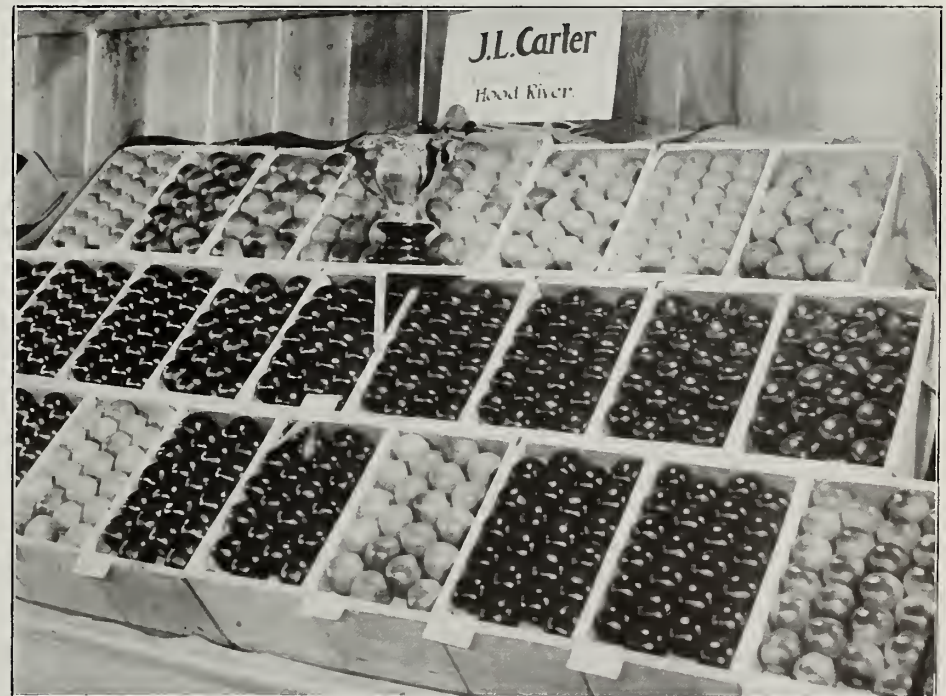
Best Vanderpool Red—H. G. Rumbaugh, Albany, \$5.

Best Winesap—L. E. Clark, Hood River, \$5.

Hood River County prize—Spitzenberg, first, M. M. Hill, \$10; second, L. E. Clark, \$10; third, W. Fike, diploma. Yellow Newtown—First, Home Orchard Co., \$15; second, W. Fike, \$10; third,



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon
ELGIN, OREGON, DISTRICT DISPLAY WINNING SWEEPSTAKES PRIZE AT EASTERN OREGON APPLE SHOW, NOVEMBER 3-5, 1910
A similar exhibit was made at the Oregon Apple Show, Portland, Oregon



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon
DISPLAY OF J. L. CARTER, HOOD RIVER, OREGON, AT THE HOOD RIVER APPLE SHOW AND THE OREGON APPLE SHOW, PORTLAND, OREGON, 1910, WINNING FIRST PRIZE ON BEST FIVE BOXES OF SPITZENBERGS AND ON PLATE DISPLAY, BESIDES OTHER PRIZES

F. P. Friday, diploma. Pears—Best box of Winter Nellis—First, H. F. McCormack, Eugene; second, F. E. Waite, Eugene.

Special—Best box of any variety not mentioned—Ortlev, E. H. Ehrk, Hood River; Wagener, F. P. Friday, of Hood River; Black Twig, first, Lawrence & Smith, Hood River; second, H. O. Silverholz, Hood River. Golden Russets—James E. Carpenter, of Hood River.

Exhibit on plates—First, J. L. Carter, Hood River, \$5; second, James E. Carpenter, Mosier,

silver medal. Single plates—Baldwin, first, George Evans, Mosier; second, Romeo Goulet, Brooks; Ben Davis, first, C. L. McKenna, Portland; second, W. K. Newell, Gaston; Gano, first, J. E. Carpenter, Mosier; second, W. K. Newell, Gaston; Jonathan, Henry Struckmeir, Thomas; Northern Spy, C. J. Tithcombe, Scappoose; Red-Cheeked Pippin, J. E. Chipman, Oregon City; Rome Beauty, first, F. C. Dethman, Hood River; second, J. E. Carpenter, Mosier; Spitzenberg, first, W. K. Newell; second, F. C. Dethman, Hood River;

Swaar, F. C. Dethman, Hood River; Wagener, first, James, E. Carpenter, Mosier; second, F. A. Gregory, Portland; Winesap, W. K. Newell, Gaston; Winter Banana, F. A. Gregory, Portland; Yellow Bellflower, first, F. C. Dethman, Hood River; second, F. L. Waite, Eugene; Newtown, first, M. V. Rand, Hood River; second, F. C. Dethman. Diplomas were given to each winner. Largest apple in the show—J. L. Carter, Hood River; variety, Gloria Mundi.

Five boxes of Spitzenberg apples, selected from the Mosier exhibit in the Portland Apple Show, to be sent to Emperor William I. of Germany by express, won the attention of the thousands who visited the show yesterday. The Mosier exhibit was withdrawn from the sweepstakes contest, owing to the ruling of the presiding judge that the apples were too large to meet the requirements of the American Pomological Society. The apples were three-tier, 34 to the box. Those to be sent to the German Emperor are uniformly of this size, and are deep red, with pink underglow, clear of skin, rounding at the base and very slightly inclined to bell shape.

The tables on the second floor, on which were located the display of insects and fungus growths from the Oregon Agricultural College, under the charge of Professor Bradley, assisted by two of his students, attracted attention. Explanations were constantly given of the value of precautions and the use of lime-sulphur solution for destroying fungus pests.

"I want to say," said Professor Van Deman, when he completed his work of judging, "that Oregon is an apple state to which there is no superior in the world. I do not mean by that it is superior to the Washington orchards, for I class all this section in one common apple territory. You have the world beaten in quality, size and color. Your color is what sells your apples in the East, coupled with the honesty of your pack. If you will continue to put your conscience into your apple box, you will win the markets of the world. There is no end to the possibilities of the apple markets of the world. If you organize—and I believe in the fruitgrowers organizing for the purpose of handling their product through a common agency—you can never supply the demand for the choice product of the Pacific Coast. The world beckons to you. It is only for you to listen to the voice of the market and win yourselves fame and fortune."

Within 60 days, Homer C. Atwell, of Forest Grove, president of the State Horticultural Society and of Portland Apple Show, will issue a call for a convention to be held in Portland of the apple-growers of the Pacific Northwest to organize a co-operative selling agency company, with \$500,000 capital, to dispose of the \$5,000,000 apple crop of Oregon, Washington and Idaho every year.

Details of the organization of the company will be considered by the members of the convention. Prominent apple-growers, representing different districts, will be present to participate in the formation of the company and the lines to be followed will be along those perfected by the raisin-growers of the Sacramento Valley, California, the orange-growers of Riverside, California, and the pear-growers of the Rogue River Valley, Oregon.

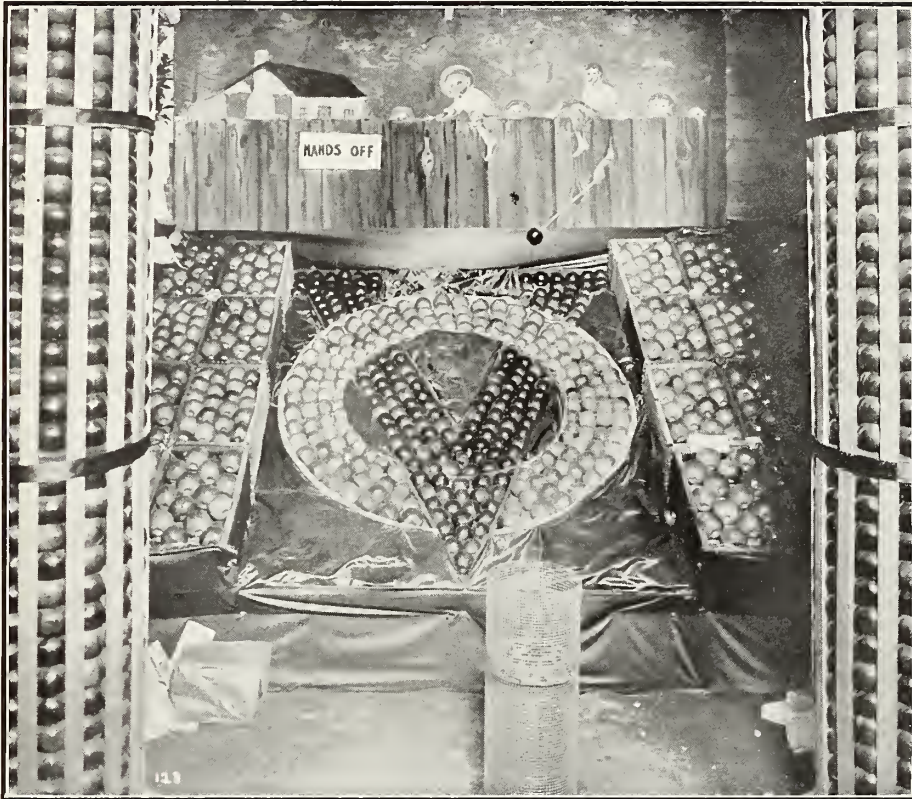


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

VERA, SPOKANE VALLEY, WASHINGTON, DISTRICT DISPLAY AT THE NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910



Engraved by Hicks-Chaten Co., Portland, Oregon

FIRST PRIZE WINNING CAR OF WINESAPS, GROWN BY H. M. GILBERT, NORTH YAKIMA, WASHINGTON, AND SECOND PRIZE WINNING CAR OF ROME BEAUTIES, GROWN BY J. HOWARD WRIGHT, NORTH YAKIMA, WASHINGTON, NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

THE NATIONAL HORTICULTURAL CONGRESS SHOW

BY L. GREEN, COUNCIL BLUFFS, IOWA

NO MORE pleasing effect could have been produced with fruits and flowers and decorative material, than that which presented itself to the visitors upon their entrance into the Third Annual Exposition of the National Horticultural Congress, recently held at Council Bluffs, Iowa. The whole effect was one of beauty and splendor and reflected much credit upon the management of the exposition. The centerpiece was a large palm tree surrounded with flowers and shrubs, presented by the Louisiana delegation. About this center was arranged the long tables which held the plate displays of all kinds of fruits and nuts. At the sides of these tables were the carload displays reaching from the table level to the balcony. The effect of such an arrangement can hardly be described. The auditorium in which the exposition was held has been recently decorated, being finished in Old English design, and the green and white of these decorations blended well with the fruits and flowers and the smilax which

ation of our possibilities, and I hope many will avail themselves of the privileges you are affording them by gathering such a splendid exhibit for their inspection and information.

"The arrangement of the fruit, its quality, its beauty and its generous abundance all contribute to the most pleasing effect."

The National Horticultural Congress has endeavored to make these expositions different from all others by keeping the educational value of each feature uppermost in the minds of the exhibitors and visitors. They have spared neither effort nor expense to realize this ideal, and the

last exposition certainly crowned their efforts with success. They secured the best horticultural talent available for lectures and demonstrations. Their music has been furnished by the highest priced band in the country. This year the American Ladies' Band furnished this part of the entertainment. Governors and senators spoke at frequent intervals from the platform. In order that the educational features of the program might not be interrupted the lectures were held in a lecture room adjacent to the main auditorium, and that the public appreciated this feature was evidenced by the large crowds which attended from

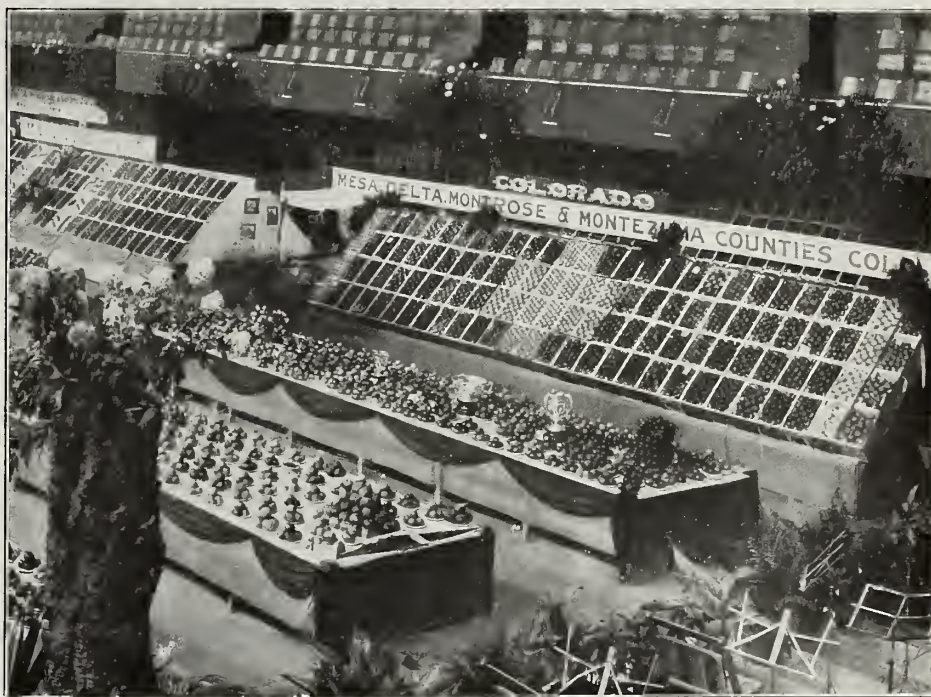


REN H. RICE

Successful manager of the National Apple Show, Spokane, Washington, and Chicago, Illinois

abounded everywhere. At the farther end of the room above the stage was hung a large painting illustrating a "Bloom Sunday in the Grand Valley" of Colorado.

Governor Carroll of Iowa expressed, in the opening remarks of his welcome address, the thoughts of most of the exposition visitors. Governor Carroll said: "You have every reason to feel proud of this exposition. It is beautiful and far beyond my expectations. I had no idea of the magnitude of the work the promoters of this institution were doing. It will be of immense advantage to all our people for it is something of a revel-



Engraved by Hicks-Chatten Co., Portland, Oregon

VIEW SHOWING PRIZE WINNING COLORADO AND IDAHO APPLE EXHIBITS AT THE NATIONAL HORTICULTURAL CONGRESS, COUNCIL BLUFFS, IOWA, 1910

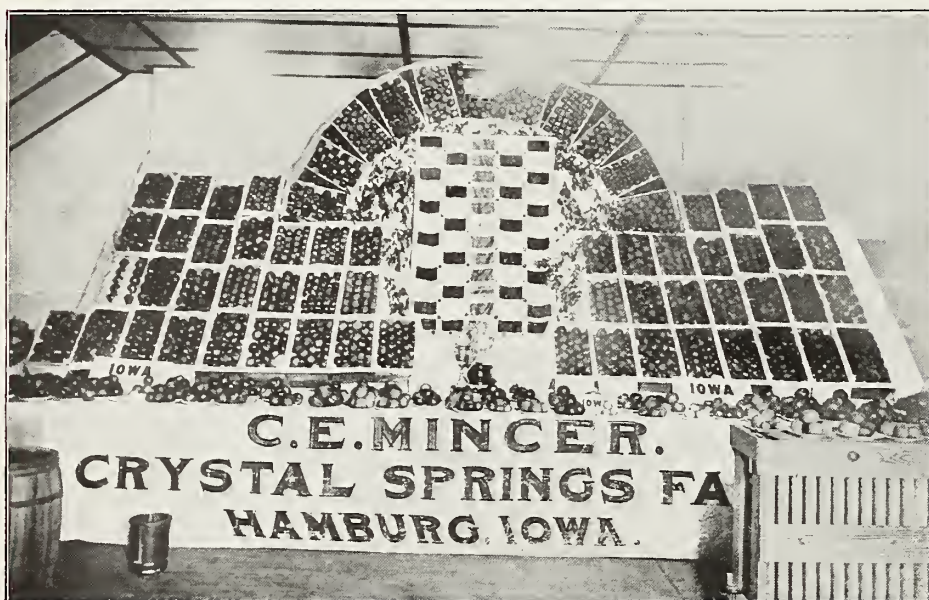


Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

PARTIAL VIEW OF THE CORN EXPOSITION RUN IN CONNECTION WITH THE APPLE EXHIBIT AT NATIONAL HORTICULTURAL CONGRESS, COUNCIL BLUFFS, IOWA, 1910



Engraved by Hicks-Chatten Co., Portland, Oregon
 NAMPA, IDAHO, EXHIBIT AT THE THIRD ANNUAL APPLE EXPOSITION, NATIONAL HORTICULTURAL CONGRESS, COUNCIL BLUFFS, IOWA, 1910



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon
 C. E. MINCER'S APPLE EXHIBIT FROM HAMBURG, IOWA, AT HORTICULTURAL CONGRESS, COUNCIL BLUFFS, IOWA, 1910



Photo by Frank Palmer, Spokane
 Engraving by American Engraving Company, Spokane
 LEWISTON, IDAHO, AND CLARKSTON, WASHINGTON, DISTRICT DISPLAY AT NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

day to day. Lectures covering the whole field of horticulture were given each day. And as a corn show was held in connection lectures upon other agricultural topics were given from time to time.

A spraying machine competition was held in which some of the principal manufacturers of spraying machines were entered. This competition was held under the auspices of the American Society of Agricultural Engineers, and was sanctioned by them only upon assurance that the tests should be made in a thorough and scientific manner. A report of this competition will appear in Better Fruit.

Spraying demonstrations occupied a place in each day's program under the direction of Prof. G. R. Bliss, of the Iowa State College Extension Department. These were well attended and much interest was shown in them as well as in a study of the different types of spraying machines and other implements used in orchard operations which were upon exhibition.

A students' judging contest was held between teams representing Kansas, Iowa and Nebraska. Fruit of ten varieties was arranged and judged by men selected for the purpose, after which the students' teams placed the fruit and gave their reasons for placing, orally. The team ranking highest for three successive years gains permanent possession of a silver loving cup, presented by the Omaha Bee. This cup was won last year by the Nebraska team and this year by the Iowa team.

Among the exhibits of fruits, which make up the principal feature of any fruit show, were many carload lots from the West and South. These were artistically arranged as has been suggested. Idaho probably had the largest combined display of any state. Carloads were received from Boise, Nampa, Payette and Council. These were all in the hands of men who know how to put up good exhibits. The Nampa exhibit occupied a prominent place to the right of the entrance, with the Payette exhibit opposite and the Council exhibit behind it. These as well as many of the other exhibits were accompanied by photographs showing the orchard operations as well as the prize fruit which is produced.

The exhibit which took more premiums than any other in the contest was the Colorado exhibit from Mesa, Delta, Montrose and Montezuma Counties. Over sixty ribbons were placed upon these plates. The Colorado growers went in together to make one of the most attractive exhibits shown. This exhibit was attended by a group of experts who were glad to answer any and all questions relative to methods of production, care and packing of fruit as well as to climate and cost of land in Colorado. One of their features was moving pictures showing orchard operations and scenery in different valleys of their state. This was a very effective method of advertising opportunities in the West.

Just back of the Colorado exhibit was that of the Manville Fruit Company and the Boise Valley Commercial Club. This exhibit took sweepstakes prize for the best commercial display of apples. The

quality of apples ranked high according to the grouping of the score card. The beauty of this exhibit was largely due to the efforts of Mr. B. F. Hurst, who had it in charge.

Twin Falls, Idaho, had the best exhibit at the exposition, from the standpoint of variety. Their exhibit contained a large variety of apples in addition to large quantities of vegetables of every type as well as field products, showing the possibilities of diversified farming in that region. This was in the hands of Mr. A. P. Senior, of Twin Falls.

Chelan, Washington, had a small exhibit of first-class fruit, prominent in which was the Delicious apple. They won first premium on this variety as well as a few others. This was all non-irrigated fruit and showed the possibilities of production in that region.

Of the Middle Western States, Mr. C. E. Mincer, of Iowa, had the largest exhibit. Mr. Mincer attracted much attention because of the quality of his

large "Lone Star" decorated the center of one of their big tables.

Louisiana was represented with an exhibit which was made up of a diversified lot of fruits. One day was given over to this delegation and was known as "New Orleans Day." A large delegation from New Orleans made it quite apparent that their city was the "logical

point" for the Panama Exposition in 1915. The Governor of Louisiana was to have been the principal speaker on that day, but was detained at the last moment and Senator Barrett of Louisiana spoke in his place. The senator won his hearers and gave a very good address.

Arkansas was represented by its State Horticultural Society, under the man-



L. G. MONROE

Secretary First Canadian National Apple Show, Vancouver, British Columbia, 1910, and now publicity manager Panama Exposition, to be held at San Diego, California. This exposition will be held in connection with the Panama Exposition, San Francisco, California, 1915.

fruit at last year's exposition. He also attracted his share of attention this year, because he was one of the few men in his section who was able to save his crop by orchard-heating. He had a large number of boxes as well as a variety of plate displays. One feature of this exhibit was a large number of boxes which were shown at last year's exposition and kept over in cold storage for this year's display.

Missouri, Kansas and Nebraska were well represented in the plate displays, and each had a few boxes on exhibit.

Texas sent a large display of apples, citrus fruits and nuts. They were given first premium on artistic display. A



Engraved by Hicks-Chatten Co., Portland, Oregon

AWARDED GOLD MEDAL BANNER FOR BEST IMPROVED APPLIANCE ON FRUIT-HANDLING VESSELS, NATIONAL APPLE SHOW, SPOKANE AND CHICAGO, 1910



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane
SECOND PRIZE NON-IRRIGATED DISTRICT DISPLAY, SPOKANE COUNTY, WASHINGTON, AT NATIONAL APPLE SHOW, SPOKANE AND CHICAGO, 1910

agement of Mr. D. E. Eicher. They had a splendid exhibit from the Ozark region and took first premium on photographs showing orchard operations and products. The Arkansas exhibit and the Council, Idaho, exhibits were side by side and attracted much attention by their diversity of fruits and artistic displays.

Professors Hutt and Shaw, of Raleigh, North Carolina, were in charge of their state exhibits. The quality and variety

of their exhibits are shown by the fact that they took sweepstakes prize for the best general display of fruits. This display contained apples, pears, persimmons, citrus fruits, nuts and canned fruits and vegetables, and won many blue ribbons in the plate and nut contests. These exhibits covered two long tables and were very well arranged.

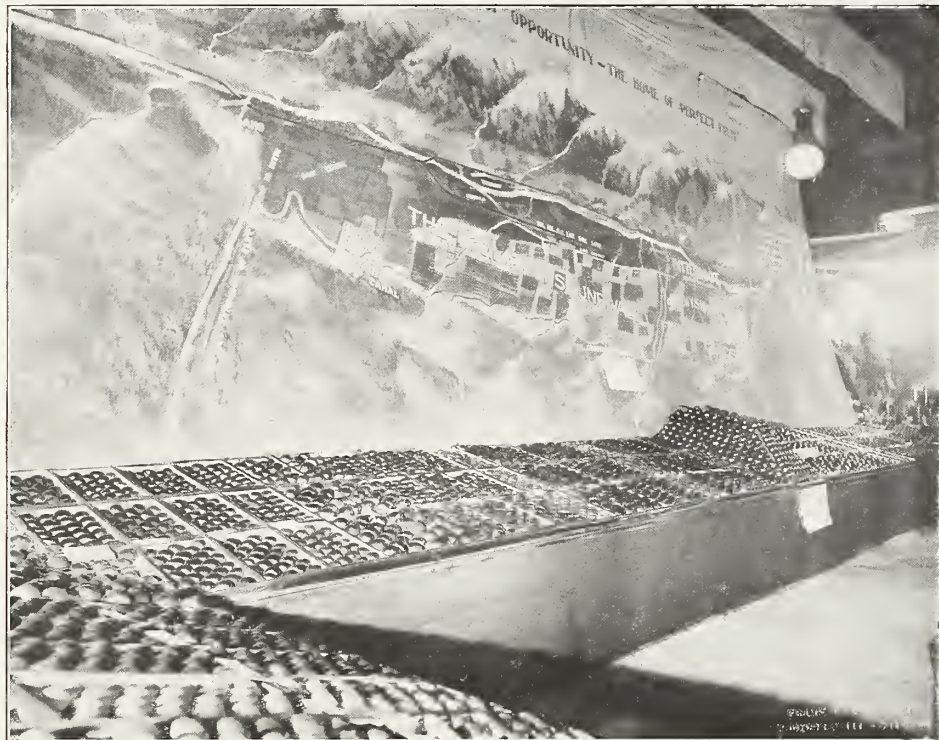
Maine was represented by a small exhibit of excellent plate displays, upon

which Mr. True, the exhibitor, won several blue ribbons.

The booth which contained the canned fruit was a pretty sight and brought out many methods of canning fruit. The canned goods were arranged upon shelves and all entries were assembled together, thus making the display of more interest.

The most beautiful booth was that of the J. F. Wilcox Floral Co. This firm had the decorating of the main auditorium in charge, and the beauty of both the booth and the auditorium speak well for Mr. Roy Wilcox, the decorator. This booth was daily supplied with fresh flowers, which kept it fresh and attractive. The design represented a room in one corner of which a bright grate fire was burning.

The vegetable room adjoined the main auditorium and was well filled with the



Engraved by Hicks-Chatten Co., Portland, Oregon

EXHIBIT OF BITTER ROOT VALLEY IRRIGATION COMPANY AT THE UNITED STATES LAND AND IRRIGATION EXPOSITION, CHICAGO, 1910

In the background of this view is shown a birdseye view of a part of the Bitter Root Valley, showing the location of the company's land.

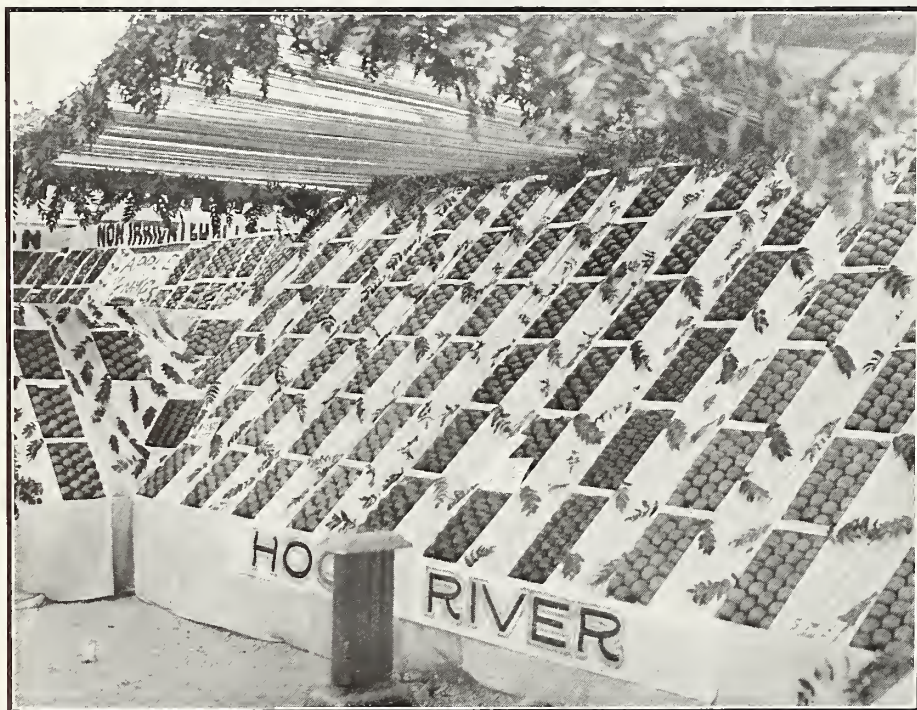
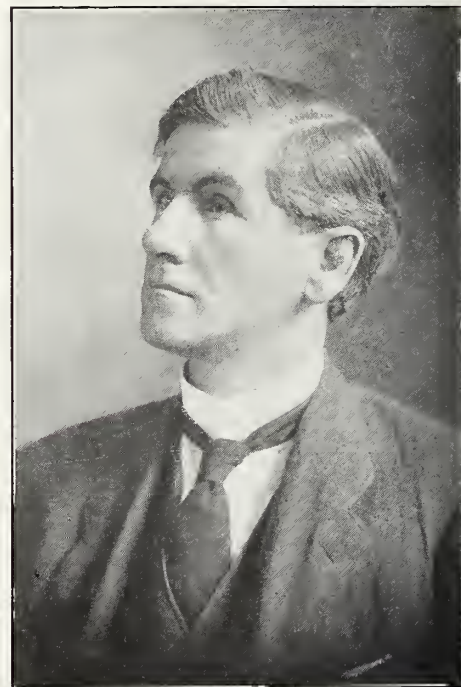


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

HOOD RIVER VALLEY, OREGON, DISTRICT DISPLAY AT THIRD NATIONAL APPLE SHOW SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910



AUGUST WOLF

Publicity manager of the National Apple Show, Spokane, Washington, and Chicago, Illinois

best that gardens from all parts of the country could supply.

The awards were made by the following committee of judges: Hon. Silas Wilson, of Nampa, Idaho; Prof. C. P. Close, of Maryland; Mr. Butts, a commission man of Omaha, and Mr. Walker, of Crete, Nebraska. General satisfaction was expressed by the exhibitors concerning the placing of the exhibits. That the judging was close was evidenced by the careful manner in which the judges went about their work.

The principal prizewinners are given below:

While several hundred premiums were given upon plates of apples, the following are those given on some of the more prominent commercial varieties: Arkansas, R. B. Boyd, Grand Junction, Colo.; Baldwin, J. A. Carr, Council, Idaho; Ben Davis, E. P. Taylor, Grand Junction, Colo.; Black Ben Davis, H. A. Richardson, Delta, Colo.; Buckingham, W. N. Hutt, Raleigh, N. C.; Colorado Orange, H. A. Richardson, Delta, Colo.; Spitzenberg, E. P. Taylor; Grimes Golden, Nampa Fruit Growers' Association; Ingram, D. E. Eicher, Bentonville, Ark.; Jonathan, Payette Valley Commercial Club; King David, W. J. Wilson; McIntosh, James C. True, Maine; Northern Spy, James C. True, Maine; Rome Beauty,

Payette Valley Commercial Club; Stayman Winesap, H. A. Richardson, Delta, Colo.; Wealthy, J. A. Carr, Council, Idaho; Winesap, E. P. Taylor; Winter Banana, J. A. Carr; Delicious, H. D. Miller, Chelan, Wash.

Sweepstakes, commercial apple display—Council Bluffs Commercial Club trophy. First prize valued at \$500. This exhibit was limited to five varieties, five boxes of each variety. Won by B. F. Hearst for the Boise Commercial Club.

Carload contest, commercial apples—Open to all: Six hundred dollars in cash prizes. First premium \$300. Two hundred ten barrels or 630 boxes to

Best general display of pears in commercial packages—First prize, copper loving cup, won by J. A. Carr, Council, Idaho, on several boxes of most excellent pears.

General collection of nuts shown by one exhibitor—First prize, silver loving cup, won by C. B. Shaw, Raleigh, N. C. Mr. Shaw had a large variety as well as a large collection of nuts, including chestnuts, peanuts, almonds, pecans, etc.

General collection of citrus and other sub-tropical fruits—First prize, a beautiful silver trophy valued at \$300, won by C. S. Canada, of Houston, Texas.

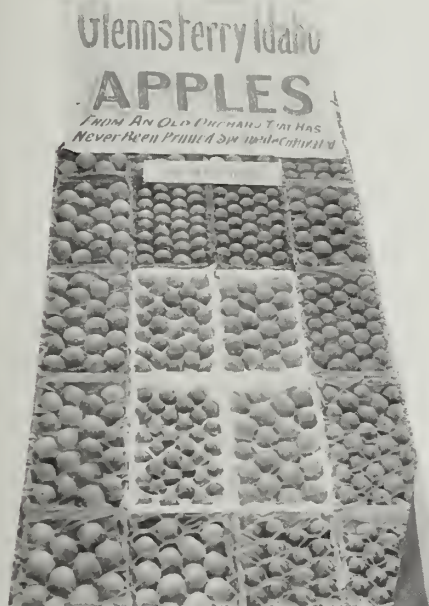
Exhibit of grape fruit—First prize, silver loving cup, won by C. S. Canada.

Best box of oranges—First prize, silver loving cup, won by C. S. Canada.

Most artistic and well-kept general floral display—First prize, silver loving cup, won by Roy Wilcox, Council Bluffs.

There was much discussion as to whether it would be advisable to hold the next annual exposition in Council Bluffs

or in one of the other cities which were bidding for it. The general expression of the exhibitors was that more courteous treatment could not have been accorded them than was received this year at the hands of the Council Bluffs people, but some of them thought that a change of location would be an advantage from an advertising standpoint. The location of the next exposition was left to the executive committee, and it is probable that if a change is made, the show will go to Saint Joseph, Missouri. Wherever it is held the officers of the next show will have a difficult task to equal the success of the past year.



Engraving by American Engraving Co., Spokane
GLENN'S FERRY, IDAHO, APPLE DISPLAY
From an old orchard that has never been pruned, sprayed or cultivated. Think what the result would be with scientific care. National Apple Show, Spokane, Washington, November, 1910.

Photo by Frank Palmer, Spokane.

constitute a carload. Won by the Payette Valley, Idaho.

County commercial apple special—Prize, copper trophy, presented by the National Horticultural Congress; valued at \$100. Five varieties to be shown in standard boxes, five boxes of each variety. Won by J. A. Carr, of Council, Idaho.

Individual commercial apple special—Prize, one Bean Magic spray pump. Exhibit to consist of four varieties to be shown in standard boxes, three boxes of each variety. Won by Nampa, Idaho.

Gulf States special apples, plate display—First prize, silver trophy, valued at \$150. For the best display of apples from any of the Gulf States, North and South Carolina and Georgia. Won by North Carolina.

Commercial package exhibit, barrel of apples—First prize, a man's overcoat, won by Professor Hutt, of North Carolina.

Gerner special—For the best standard box of apples exhibited by any individual from any state in the Union—Won by H. A. Richardson, Delta, Colorado. First prize, a silver trophy valued at \$75.

Stark Brothers' special—For best plate Delicious apples. 250 Delicious apple trees, won by H. D. Miller, Chelan, Wash.

Six plates of winter apples for family use—Exhibit to consist of six varieties. Won by Nampa, Idaho.

Ten plates shown by any grower, any variety—Won by Nampa, Idaho.

Largest sound apple—Prize, a gold medal, won by J. A. Carr, Council, Idaho, with a Wolf River apple of large size and splendid color and texture.

Rome Beauty apple, best bushel box—Prize 250 Rome Beauty apple trees, 1 year old, 4 to 5 feet in height, won by the Manville Fruit Company, Boise, Idaho.

Scaleside special—Silver trophy. Trophy becomes the property of the exhibitor winning it twice. Won this year by J. A. Carr, Council, Idaho, on one box of each of three varieties.

Special, orchard photos, best collection of orchard views—Prize, silver loving cup. Size, excellence, arrangement and educational value considered. Won by D. E. Eicher, Fayetteville, Ark.

Four hundred fifty dollars in prizes for the best general display, other than vegetables, made by any state—North Carolina won the first prize of \$300 by having the largest variety of fruits and nuts of good quality.

General district or county display, United States, Mexico and Canada—Won by Colorado. First prize, a beautiful sterling silver trophy valued at \$150, given by The National Horticultural Congress.

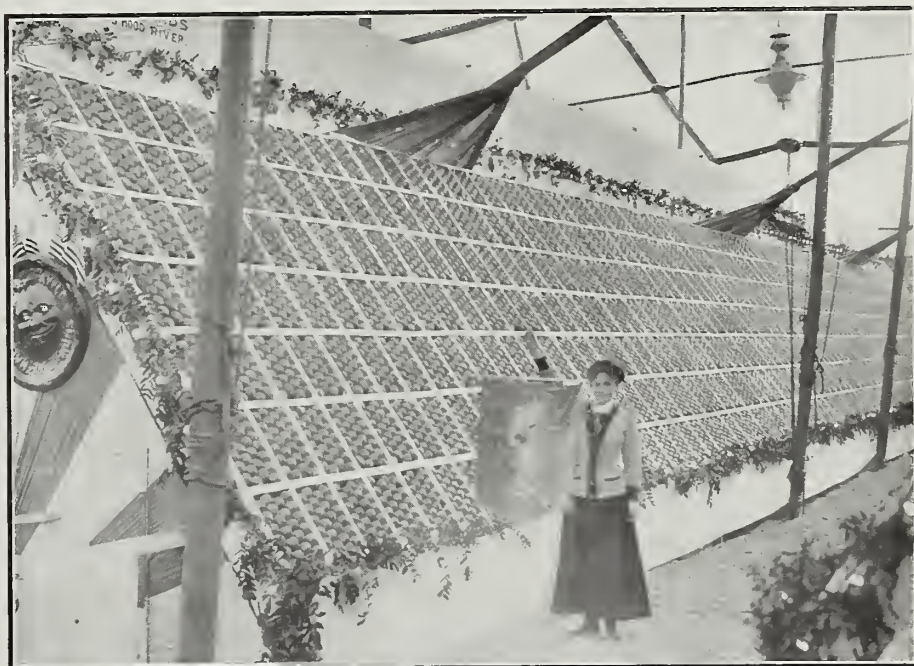


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

FIRST PRIZE CARLOAD OF YELLOW NEWTOWN PIPPINS, SCORING 988 POINTS OUT OF A POSSIBLE 990, GROWN BY AVERY BROTHERS, HOOD RIVER, OREGON. NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

WHITE SALMON VALLEY, WASHINGTON, DISTRICT DISPLAY AT THE NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

This display was in charge of Miss Cameron, who is shown in the picture, and who is probably the first woman publicity secretary of a development league or commercial club in the United States.

APPLE ANNUAL AT WATSONVILLE, CALIFORNIA

BY JONATHAN EDWARDS, WATSONVILLE, CALIFORNIA

THE first all-California apple show had its inception in October, 1909, when a committee of twenty-five local growers, packers and business men, was appointed by Mr. E. A. Hall, president of the Commercial League of Watsonville, to consider the advisability of holding an exhibition of the fruit, the production and marketing of which has long constituted the principal industry of the Pajaro Valley.

For a considerable period the yearly shipments of apples from this valley had

exceeded three thousand carloads. The yearly profits from the industry had run into millions of dollars. The production of other sections was increasing. Competition was constantly growing keener. This section had given comparatively little attention to the work of advertising itself or its products. As in all other sections there was room for improvement in methods of production and marketing. The holding of an annual apple show in Watsonville was suggested as being one thing well calculated to increase the

demand for the fruit, extend her markets, and through the rivalry created, to stimulate growers to produce better fruit and the packers to raise their standard.

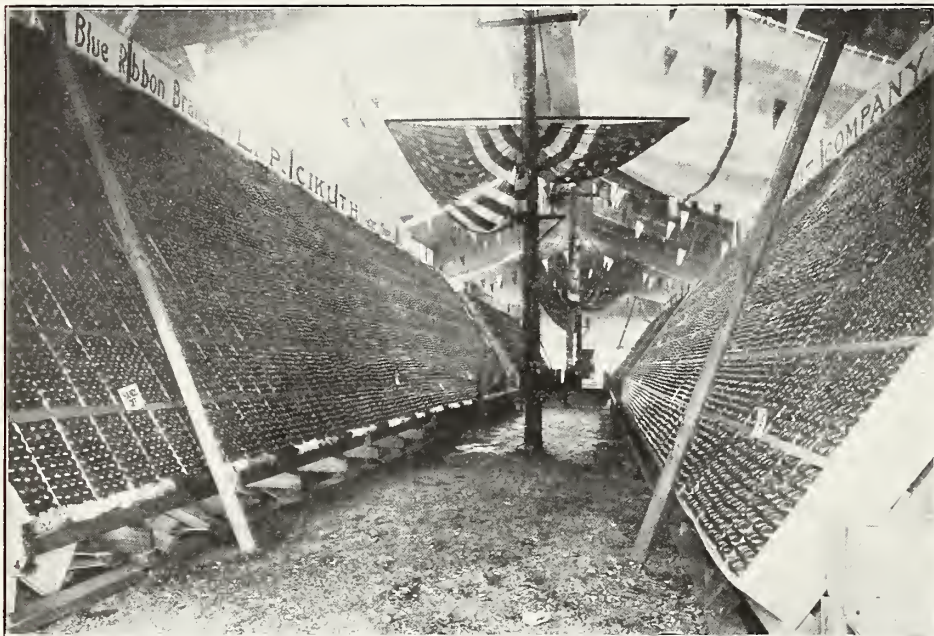
An executive committee of fifteen was selected and on November 11, 1909, for the purpose of expediting their business, incorporated under the name Watsonville Apple Annual Association. The movement thus inaugurated had its culmination in the "Apple Annual" of 1910, "An Apple Show Where Apples Grow," in magnitude by far the greatest and in quality the equal of any apple show up to that time held.

By means of a municipal bond issue funds were raised and an auditorium, of the dimensions of 100 feet by 215 feet, having gallery space of approximately one-half that on the main floor, was constructed by the City of Watsonville. Originally designed to be merely a local affair, it was thought that the show could be housed in this building. However, it was soon apparent that there was a demand, almost universal, that the scope of the show be made statewide. This demand was met, and when the exhibits were all in place they crowded to overflowing not only the building, but three huge tents, occupying in all more than 70,000 square feet.

It is difficult to convey an adequate idea of the magnitude of the exhibition through the medium of mere figures. In fact, through lack of any standard of comparison, a large proportion of those who saw the show failed to obtain a true conception of its size. Moreover, to residents of the locality familiar with the valley's daily shipments of as many as ninety-five carloads, its size did not appeal as it would and did to those not familiar with operations on such a scale. To those who were not privileged to see the show the story must be told and resort to statistics must be had.

The total number of entries, in all classes except industrial machinery, spray materials and fertilizers, was 1,219, as follows: Fifteen in the carload class, 29 in the 100-box class, 30 in the 25-box class, 116 in the 10-box class, 175 in the 5-box class, 240 in the 1-box class, 892 in the plate displays, 14 feature exhibits, 10 of evaporated apples, 5 of factory and 7 of domestic by-products. There were entered in competition 14,925 commercially packed boxes. Altogether there were exhibited 2,355,283 apples, or more than 26 carloads of 640 boxes each.

An accurate statement of the total number of varieties shown is impossible, for the reason that no account was kept of those shown in the mixed lots. The scope is fairly well shown, however, by the number of varieties exhibited in the unmixed lots. There were four straight carloads of the Yellow Newtown Pippin, three of the Red Pearmain, two of the Yellow Belleflower, one each of the Langford Seedling, the Esopus Spitzenberg and the White Winter Pearmain and three mixed cars, representing seven additional varieties, making thirteen in all. In the 100-box lots there were but



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

VIEW DOWN CENTER AISLE OF TENT 2, WATSONVILLE APPLE ANNUAL
WATSONVILLE, CALIFORNIA, 1910

In each of the two large tents there are ten carloads of apples on exhibition



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

GOLD MEDAL CAR OF YELLOW BELLFLOWERS AT APPLE ANNUAL, WATSONVILLE,
CALIFORNIA, 1910

By MacDonald & Sons, Watsonville, California. In color and uniformity this was probably the finest car of Bellflowers ever put up.

three varieties shown singly, but in the prizewinning entry of mixed lots in this class there were eighteen varieties. In the unmixed 10-box lots there were nineteen varieties, twenty-four in the 5-box, thirty-seven in the 1-box and eighty in the plate exhibits.

Fifteen counties were represented, ranging from Modoc, in the extreme northeast corner of the state, southward seven hundred miles to Los Angeles, and the fact that to exhibitors from counties lying wholly outside of the Pajaro Valley and the apple district centering in Watsonville, one hundred won first and thirty second prizes were awarded, is conclusive evidence of the high quality of the fruit grown throughout the state.

Thirteen of the carload lots were shown by local packers; two were exhibited by the Gravenstein Apple Show Association, of Sebastopol, Sonoma County, as agent for the growers. The displays made by Sonoma, Tuolumne, El Dorado, Butte, Modoc and San Luis Obispo Counties were of such magnitude and exceptional quality as to attract universal attention and commendation. The variety, color, size and quality of the apples brought from these counties were such as are rarely equaled and never surpassed. For example, Sebastopol made 45 entries, 1,385 packed boxes and 12 plates, showing fourteen standard varieties. These entries were awarded 20 first and 9 second prizes, and the average score for the 1,385 boxes was 95.7-10 per cent. Tuolumne County, with 75 entries, 61 plates and 14 boxes, including 36 varieties, carried away 34 first and 10 second prizes. El Dorado County, with 78 entries, 64 boxes and 46 plates, was awarded 24 first and 2 second prizes. The board of judges was composed of Mr. George E. Rowe, Grand Rapids, Michigan, as chief judge, with Mr. George C. Roeding, Fancher Creek Nursery, of Fresno, California, and Mr. A. Levy, of San Francisco, California, all men of more than twenty years' experience in the business of judging apples. A uniform number of boxes from each carload and 100-box lot, and one each from the smaller lots were selected as samples, and every apple in each box was carefully and personally inspected by the judges.

The scoring of points was made by the following card, preference, in the carload and 100-box classes, being given to the straight four-tier pack, that being the standard in this district: 100 a perfect score, the judges allowing 75 for perfect fruit, 10 for uniform size, 10 for color, 5 for pack. Score off 5 points for a wormy apple, 1 point for any other imperfection, scab or scale on apple, 1 point for loose pack, 1 point for lack of perfect pack.

A few carelessly selected and poorly packed lots in each class lowered the average score of the whole show, but as will be seen by the scores made by winners, the rating was otherwise surprisingly high.

The sweepstakes car, exhibited by Alaga Bros., of Watsonville, and composed one-third each of the Yellow Belleflower, Red Pearmain and Yellow Newtown Pippin, scored 93.1-3%. The

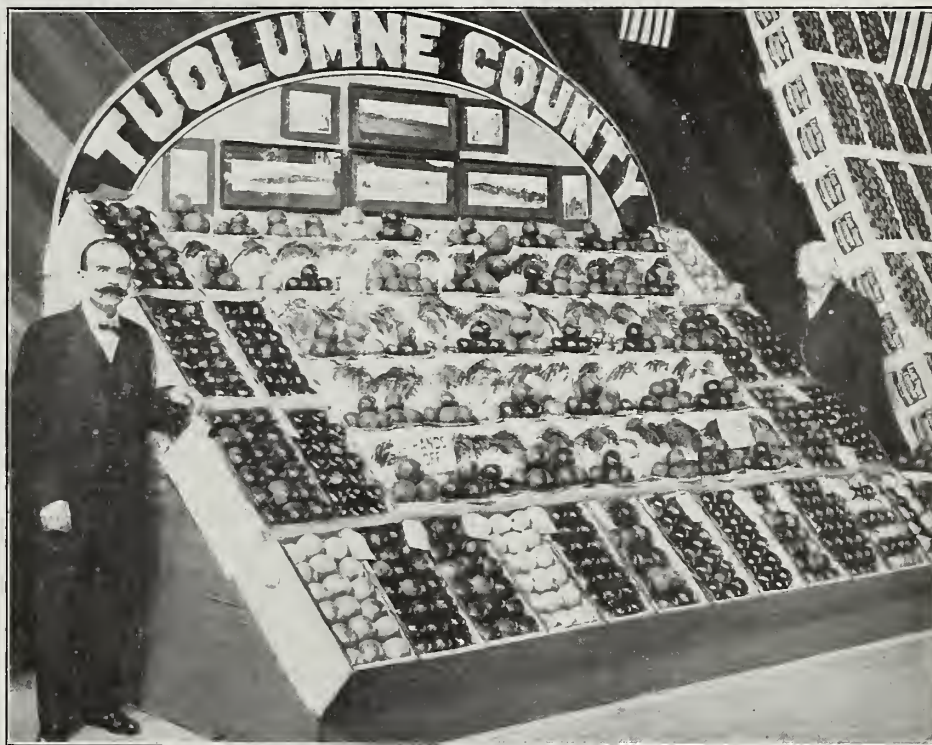
two cars shown by the Gravenstein Apple Show Association, of Sebastopol, one a straight car of Spitzenberg and one a mixed car of eight varieties, were a close second, with a score of 92.1-3%.

The winner of the trophy offered by Garcia-Jacobs, Simons-Jacobs and Simons-Shuttleworth, of London, Liverpool and Glasgow, for the best 25 boxes of Yellow Newtown Pippins, Frank Radovan, of Watsonville, scored 95%. The second best in this class, by Harry

T. Davis, of Corralitos, scored 94½%, and 16 entries scored 90% or better.

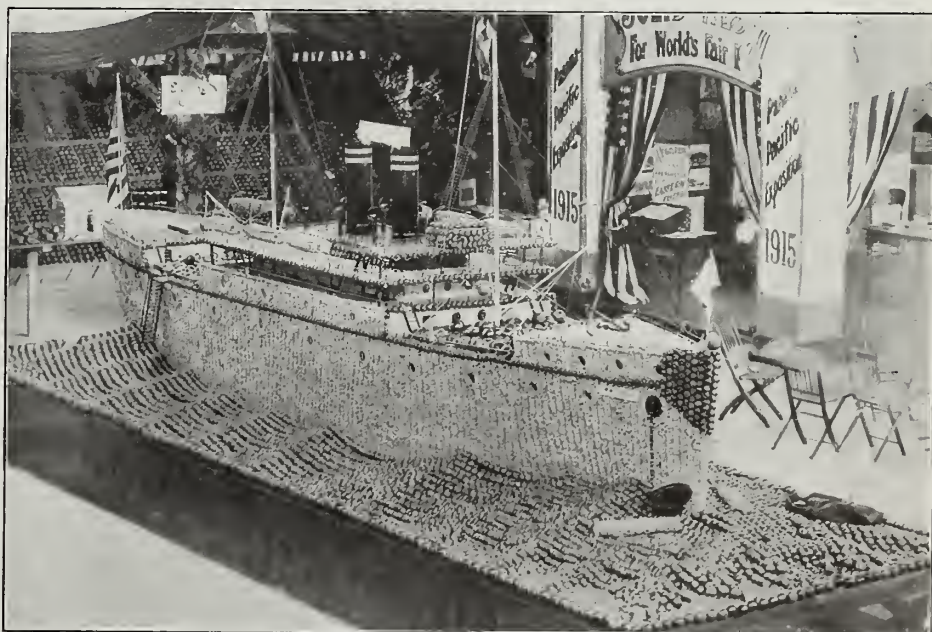
In the 100-box class the sweepstakes prize was won by Mr. Stephen Scurich, of Watsonville, with a score of 96%. Mr. H. T. Davis, of Corralitos, was second with a score of 95½%, and 15 exhibitors scored 90% or better.

The Gravenstein Apple Show Association, of Sebastopol, captured the sweepstakes prize in the 10-box class, with a fine lot of Gravensteins scoring 100%.



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

TUOLUMNE COUNTY EXHIBIT, APPLE ANNUAL, WATSONVILLE, CALIFORNIA, 1910. In this exhibit twenty-six varieties were shown. Thirty-three first and ten second prizes were won by it. Next to this exhibit was the splendid exhibit from El Dorado section. No view of this, nor of the Butte section, which adjoined El Dorado exhibit, was obtained.



Engraved by Hicks-Chatten Co., Portland, Oregon

THE GOOD SHIP "PAJARO" CARRYING A CARGO OF WATSONVILLE APPLES THROUGH THE PANAMA CANAL

Feature exhibit by the Japanese Association of Watsonville, California, at Apple Annual Watsonville, California, 1910

Five lots in this class scored 100%, five scored 99% and 35 scored 95% or better.

The sweepstakes prize in the 5-box class was awarded to Mr. F. C. Price, on Yellow Belleflower, grown on his ranch near Watsonville, his score being 100%. In this class there were six perfect scores, 10 of 99% each and 59 of 95% or better.

In the 1-box class there were 20 scores of 100%, and 147 of 95% or better.

The sweepstakes plate was shown by Mr. A. E. Elsbree, of Sonora, Toulumne County, with five huge Wolf River apples, while the largest apple in the show was brought by Mr. F. J. Ralph, also of Sonora. It was a Wolf River, measuring 17 inches in circumference and weighing 23 ounces.

The feature exhibits ranked high in artistic design, and in their significance to the apple industry. Rated as first by

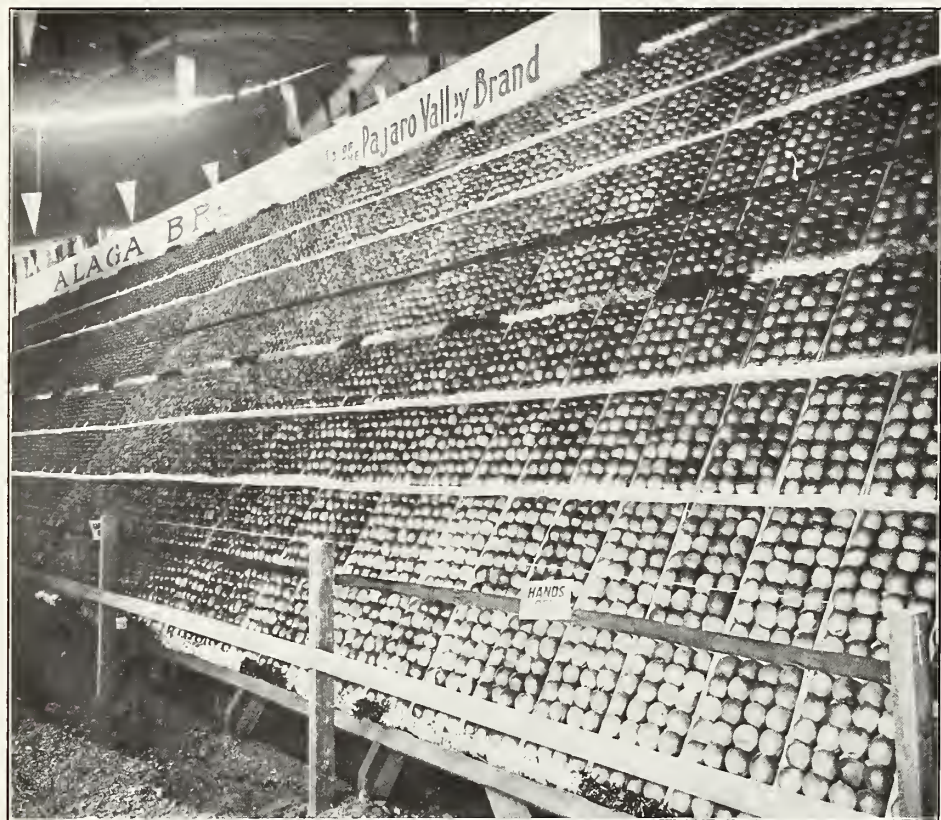
the judge of this class, Mr. J. A. Filcher, secretary of the State Agricultural Society, was the "Kiss of the Waters," by San Monte Fruit Co., of Watsonville. This consisted of a large disc mounted on a suitable pedestal. On each side of the disc was shown the Western Hemisphere in green fruit, the Pacific and Atlantic Oceans being done in dried apples and in the likeness of the faces of beautiful women, their lips meeting at the site of the Panama Canal.

Second place was given to the Japanese Association, of Watsonville, on a large ocean steamer, complete in every detail, covered with dried fruit, trimmed and loaded with fresh, and sailing through a sea of green apples fashioned in the likeness of waves. Another feature worthy of special mention was the Transformer, shown by the Gravenstein Apple Show Association, a unique machine into one end of which Gravenstein apples were automatically fed while from the other poured a stream of twenty-dollar gold pieces.

There were approximately 30,000 admissions to the show, among them an excursion trainload of five hundred prominent bankers from the State of New York, and representatives from more than twenty states and foreign countries. Local people financed the exhibition exclusively, with the exception of \$500 in cash and a number of beautiful trophies contributed by loyal friends elsewhere. With all bills paid and all racks and fixtures intact, the association finds itself, at the close of the first show, with a cash balance of approximately four thousand dollars.

During the week of the "Apple Annual," daily lectures on pertinent topics of interest to growers and packers, were given by eminent specialists, and this proved to be one of the most attractive and thoroughly beneficial features of the show.

To Watsonville and the Pajaro Valley and to the whole State of California this exhibition has had a value not to be measured in dollars and cents. California as an apple-growing state, though producing yearly more than 5,000 carloads of this fruit, has been little known. The fame of her first show has spread to the uttermost parts of the earth and the publicity thus gained of necessity must result in an increased demand for her product and a material extension of her markets. Among the lessons of the show is that one most important, most simple and yet most difficult to master, that to keep pace with our competitors, to satisfy our consumers, to maintain and extend our markets and to obtain satisfactory prices, we must make quality our watchword and an honest pack our invariable rule of practice. Here, as elsewhere, along all these lines there is room for improvement. The "Apple Annual" of 1910 has done much for our state in these vital respects. In 1911 we hope to have every county and every apple-growing section in the state represented, and to maintain for California the distinction of yearly holding the best and greatest apple show on earth.



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

SWEEPSTAKES CAR, APPLE ANNUAL, WATSONVILLE, CALIFORNIA, 1910
Yellow Belleflowers, Yellow Newtown Pippins and Red Pearmans. By Alaga Brothers, Watsonville, California. Score 93 1/3%

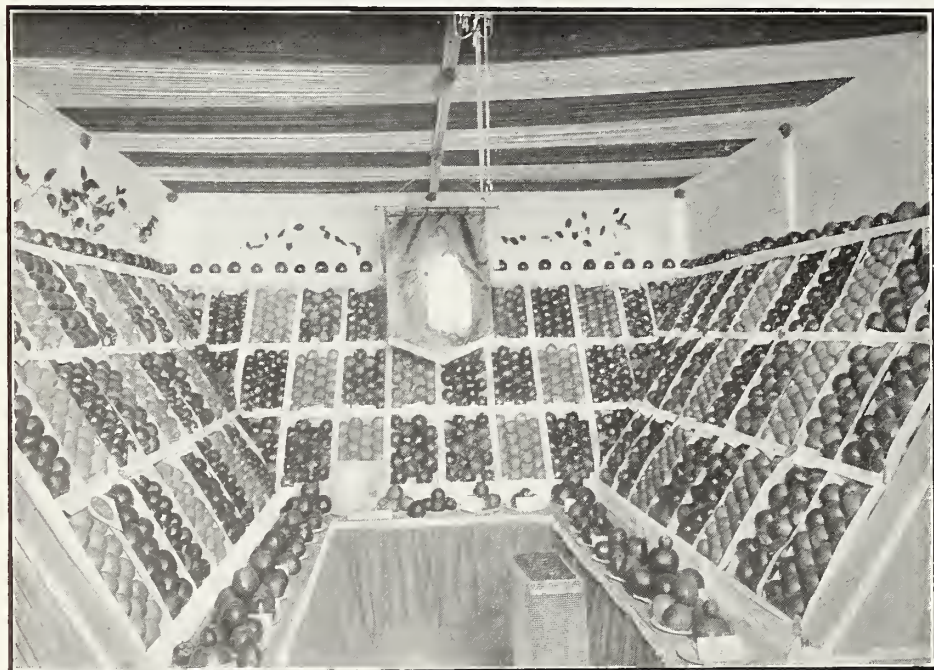


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

SECOND PRIZE IRRIGATED DISTRICT DISPLAY FROM VALE OF CASHMERE, CENTER OF WENATCHEE VALLEY, WASHINGTON, AT NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, AND CHICAGO, ILLINOIS, NOVEMBER 28-DECEMBER 4, 1910

The rules under which the boxmaking contest was conducted were as follows:

Duration of contest, one hour. Each contestant to provide his own bench, hatchets or hammers and stripper. Contestants are not obliged to use strippers. Each contestant should provide himself with at least one extra hatchet or hammer. The Association will provide nails and box shook.

The box used shall be the standard 4A apple box of the following dimensions: Heads, 11/16x9 1/4x11; sides, 5/16x9 3/4x22, no cleats to be used; bottoms, 5/16x5 1/4x55.

Pearson Cement Coated 5d. box nails shall be used, 28 to each box; four in each end of each side and three at each end of each bottom piece. Nails must be well driven and well spaced and must not protrude from either inside or outside of head.

Benches must be empty of all material at start of contest with exception of hatchets or hammers and stripper; nails to be placed in bottom box of stripper before start, but none fed into tracks until contest has started.

Box material to be stacked six feet from contestant in such way as to be easily accessible; contestant must arrange his shook on bench after contest starts. Boxes after being made must be piled in nests of three, and if at the expiration of time limit, any contestant shall have not so piled any of his boxes, those not piled shall not be counted to his credit. In making boxes the sides and bottom pieces must be placed square to head and bottom pieces properly spaced.

Thirty-six points shall be allowed for each box made during the time limit according to these rules:

1. For each nail the point of which can be seen either inside or outside of finished box the judges shall deduct two points from the contestant's score.
2. For each nail used above 28 in any one box, one point shall be deducted.
3. For each nail less than 28 used in each box, a penalty of two points per missing nail shall be deducted.
4. If any contestant draws a nail from a box on account of it not being driven true and replaces same by another nail, no deduction of points shall be made for same.
5. If shook should be slightly out of true such fact should be recognized by the judges and not charged against contestant.

For general excellence of work in spacing nails and material the judges shall be allowed to allot in their discretion to individual contestants any part of an additional 100 points, and for poor work of the same description, shall be allowed to penalize individual contestants by the deduction of any part of 200 points; the condition of the bench at close of contest and wasted nails shall enter into this addition or deduction of points.

As prizes for this boxmaking contest two fine gold watches were given to the two best boxmakers, by J. C. Rulofson, Monadnock building, San Francisco, California, of the Pearson Cement Coated Nail people.

The apple-packing contest was conducted under the following rules:

Each contestant shall be furnished with enough loose boxes of sorted four-tier Newtown Pippins to pack five boxes.

A time limit of 40 minutes shall be set for packing the five boxes. In order to secure the full amount of credits for speed, the contestant must pack five boxes within 40 minutes. A penalty shall be charged for excess time consumed at the rate of two points for each three minutes or fraction thereof over the 40 minutes.

The scoring values are as follows: Speed, 20 points; uniformity, 10; alignment, 10; bulge, 15; height of ends, 15; firmness, 15, and wrapping, 15, making a total of 100 points.

There will be two contests, one for men and one for women. The prizes shall be as follows:

Men's contest—First, gold watch; second, silver watch. These prizes were donated by Northern California Paper Trade.

Ladies' contest—First, gold watch; second, silver watch. These prizes were donated by the Pioneer Paper Co., Los Angeles.

Apples are to be wrapped and packed a straight four tier. Apples will be distributed to packing tables, paper and boxes supplied, and then contestants will draw lots for location. Packing tables, boxes, apples and paper will be supplied to contestants without charge.

Men will remove their own packed boxes; in the women's contests the boxes will be removed from the packing tables for them.

If any contestant prefers his own packing bench he shall be allowed to use same.

If any contestant does not complete his five boxes within one hour, the entry shall be thrown out.

The entries in the different classes were numerous and competition keen in the special features and contests of skill. Below we give a partial list of awards:

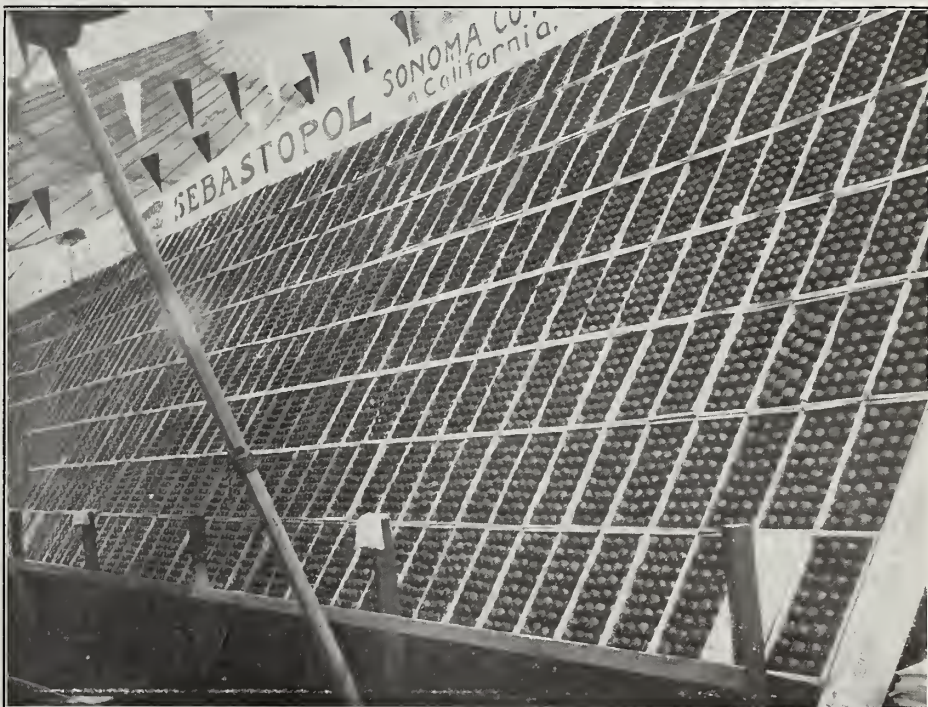
Carload Lots. Newtown Pippin: \$100 silver trophy by National Ice & Cold Storage Co., of San Francisco; 100 pounds Ortho arensate of lead by California Spray Chemical Co., Watsonville; 1st, M. N. Lettunich & Co., Watsonville; 2d, McDonald & Sons, Watsonville. Belleflower: \$100 cash by National Ice & Cold Storage Co., Los Angeles; 1st, MacDonald & Sons, Watsonville; 2d, San Monte Fruit Co., Watsonville. Mixed Varieties: Silver trophy by California Fruit Distributors, Sacramento; 500 pounds Ortho iron sulphide by California Spray Chemical Co., of Watsonville; 1st, Alaga Bros., Watsonville; 2d, Sebastopol Gravenstein Apple Show Association. Red Pearmain: 1st, L. P. Cikuth, Watsonville; 2d, Loma Fruit Co., Watsonville. White Pearmain: Loma Fruit Co., Watsonville. Langford Seedling: Frank Radovan, Watsonville. Spitzenberg: Sebastopol Gravenstein Apple Show Association.

Additional Awards—Best carload each variety, gold medal. Best carload exhibited, special sweepstakes, gold medal. Second best carload each variety, silver medal; to each winner of first and second prize in this class, one year's subscription to *Fruit Belt and Pacific Coast Packer*; to winner (sweepstakes), one year's subscription to *Better Fruit*; best carload exhibited (sweepstakes), \$250 cash by the following commission merchants of San Francisco: L. Scatena & Co., Garcia & Maggini Co., Garcia Bros. & Arken, Compodico & Burns, Ivancovich-Trobeck & Bergen Co., Jacobs & Malcom, A. Galli Fruit Co., A. Levy & J. Zentner Co., L. N. Presovich & Co., L. J. Hopkins Co., and silver trophy by San Francisco Chamber of Commerce, awarded to Alaga Bros., Watsonville; best commercial grading and pack of apples exhibited, not less than 100 boxes, silver trophy, by International Apple Shippers' Association, awarded to San Monte Fruit Co., Watsonville.

One hundred Box Awards—Belleflower Apples: 1 barrel Ortho lime and sulphur solution; 1st, Stephen Seurich; 2d, R. H. Goodchild, Corralitos.



GENERAL VIEW OF FEATURE EXHIBITS, APPLE ANNUAL, WATSONVILLE, CALIFORNIA Showing the first prize, "The Kiss of the Waters," by San Monte Fruit Company of Watsonville, California; the High School for Boys and Girls feature exhibit, exact reproduction of the High School building, and others. The idea of feature exhibits would be well worth copying at our exhibits in the Northwest, as they are one of the greatest drawing cards and break the monotony of solid box exhibits.



GOLD MEDAL CAR OF SPITZENBERGS, APPLE ANNUAL, WATSONVILLE, CALIFORNIA By Gravenstein Apple Show Association of Sebastopol, Sonoma County, California. Score 92 1/2 %

Newtown Pippin; 1 barrel Rex lime and sulphur solution, given by Rex Spray Co., Benicia; 1st, Travers Bros.; 2d, Elwell Russell Fruit Co., Santa Cruz. Red Pearmain: Zar Bros., Watsonville. Mixed Varieties: silver trophy and \$75 cash, given by Pajaro Valley National Bank; 1st, H. T. Davis, Corralitos; 2d, Frank Radovan, Watsonville.

Additional Awards.—Best 100 boxes each variety, gold medal; to each winner of first and second prize in this class, one year's subscription to *Fruit Belt* and *Pacific Coast Packer*; to winner (sweepstakes) one year's subscription to *Better Fruit*; best 100 boxes exhibited (sweepstakes), 1000 standard pine apple boxes in stock, by the Hilm-Hammond Lumber Co., Watsonville; Stephen Scurich, Watsonville, Cal.

Twenty-five Box Special.—Newtown Pippin: Silver trophy by Garcia-Jacobs, Simon Jacobs, and Simons-Shuttleworth, of London, Liverpool and Glasgow; awarded to Frank Radovan, Watsonville, Cal.

Ten Box Awards.—Newtown Pippin: \$50 cash, given by the Bank of Watsonville; 1st, J. D. Copeland, Watsonville; 2d, Sebastopol Gravenstein Apple Show Association. Belleflower: \$50 cash,

given by the Bank of Watsonville; 1st, J. D. Hardy, Aromas; 2d, S. J. Duckworth, Watsonville. Winesap: 1st, Lettunich Bros., Watsonville; 2d, M. W. Quick, Watsonville. Kansas Beauties: C. E. Beebe, Woodland. Jonathan: 1st, Sebastopol Gravenstein Apple Show Association; 2d, C. L. Robertson, Santa Cruz. White Winter Pearmain: 1st, S. J. Duckworth, Watsonville; 2d, Geo. F. Gallagher, Agnew. Hoover: Sebastopol Gravenstein Apple Show Association. Baldwin: 25 pounds arsenate of zinc, given by California Spray Chemical Co.; 1st, Mitchell-Goodall, Santa Cruz; 2d, Sebastopol Gravenstein Apple Show Association. Gravenstein: Sebastopol Gravenstein Apple Show Association. Spitzenberg: 1st, California Fruit Packing Co. (packers) and A. L. Bailhache, Watsonville; 2d, Sebastopol Gravenstein Apple Show Association. Langford Seedling: 25 pounds Rex arsenate of lead, by the Rex Spray Co., Benicia; 1st, Mitchell-Goodall, Santa Cruz; 2d, Frank Radovan, Watsonville. Winter Banana: Mitchell-Goodall, Santa Cruz. Smith Cider: M. W. Quick, Watsonville. Red Pearmain: 1st, A. A. Scurich & Co., Watsonville; 2d, Mitchell-Goodall, Santa Cruz. Rome Beauty: 1st, R. E. Sherman, Placerville; 2d, Sebastopol Gravenstein Apple Show Association. Wagner: Sebastopol Graven-

stein Apple Show Association. Ben Davis: J. E. Hassler, Placerville. Missouri Pippin: M. N. Lettunich & Co., Watsonville. Arkansas Black: Sebastopol Gravenstein Apple Show Association. Mixed Varieties: Silver trophy, by Adriatic Publishing Co., of San Francisco, publishers of "Jadran"; one barrel Ortho lime sulphur solution, by California Spray Chemical Co., of Watsonville; 1st, Sebastopol Gravenstein Apple Show Association; 2d, Ira J. Phillips, Watsonville.

Additional Awards.—Best 10 boxes each variety, gold medal; best 10 boxes exhibit sweepstakes, one gold medal; second best 10 boxes each variety, silver medal; to each winner of first and second prize in this class, one year's subscription to *Fruit Belt* and *Pacific Coast Packer*; to winner (sweepstakes), one year's subscription to *Better Fruit*; for the best exhibit of apples from any county more than 100 miles from Watsonville, \$25 cash, Sebastopol Gravenstein Apple Show Association; for the best 10 boxes red apples from any district outside of Santa Cruz and Monterey Counties, \$10 cash, awarded to R. E. Sherman, Placerville; for best 10 boxes exhibited (sweepstakes), silver trophy, given by the lawyers of Watsonville, awarded to Sebastopol Gravenstein Apple Show Association.

Best feature exhibit by a grower—Five gallons Nicotine Cresol Soap, by California Spray Chemical Co., of Watsonville, Cal.; 1st, W. J. McGowan; 2d, Chas. Husbeck.

Feature Exhibits—1st, Kiss of the Oceans, San Monte Fruit Co., \$100; 2d, Ship Pajaro, Japanese Association, \$75; 3d, Watsonville High School, \$50; 4th, American Flag, MacDonald & Sons, \$25; 5th, Dutch Windmill, Loma Fruit Company, \$15; 6th, Eagle, Fraternal Order of Eagles, Watsonville Aerie No. 72, \$10.

Box-making Contest—First prize, gold watch; second prize, silver watch, given by Pierson Cement Coated Nail Co., San Francisco; 1st, H. C. Poor, Watsonville, score 3359; 2d, F. J. Cousins, Watsonville, score 3011.

Packing Contest—Men: First prize, gold watch; second prize, silver watch, given by Zellerbach Paper Co., of San Francisco, Cal.; 1st, Mike Lazarovich; 2d, A. E. Melcalf. Women: First prize, gold watch; second prize, gold watch, given by Pioneer Roll Paper Co., of Los Angeles, Cal.; 1st, Miss Alma Bradley; 2d, Miss Ida Stoffers.



Engraved by The American Engraving Company, Spokane

THE TRANSFORMER

Feature exhibit by Sebastopol Gravenstein Apple Show Association, Apple Annual Watsonville, California, 1910



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

MISSOULA, MONTANA, CHAMBER OF COMMERCE DISTRICT DISPLAY, NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910



Engraved by Hicks-Chatten Co., Portland, Oregon

\$195 SILVER TROPHY

Given by Charles Ford & Co., Watsonville, California, for the best five boxes of apples exhibited. Won by F. C. Price, Palo Alto, California; also winner of first prize on best five boxes of Bellflowers. Apple Annual, Watsonville, California, 1910.

Editor *Better Fruit*:

Will you be good enough to announce in the next issue of "Better Fruit" that the Society for Horticultural Science will hold its next annual meeting at Tampa, Florida, on February 9, 1911, the day preceding the meeting of the American Pomological Society, which convenes there February 10 and 11, 1911? Thanking you for the kindness, I am, very truly yours, C. P. Close, College Park, Maryland.



Statement of Fact

HOOD RIVER for ten years has claimed to grow the highest quality of Newtowns and Spitzenbergs, to pack them better and to guarantee the pack. As proof of this statement we submit the following evidence: For ten consecutive years Hood River has sold Spitzenbergs and Newtowns at higher prices than have been obtained by any other district for these or any other varieties in commercial quantities. Hood River has never competed in carload contests in National Apple Shows, although we have won thousands of cups, trophies, medals and cash prizes at various exhibitions throughout the United States. Hood River won the only Grand Prize at the St. Louis Exposition given any single county in the United States on green

fruit. Hood River was compelled to enter the National Apple Show at Spokane this year because other districts were saying we were afraid to enter, and we dare not. We entered a car of Spitzenbergs which won the sweepstakes prize of \$1,000 in cash for the best car exhibited. We won \$250 cash prize for the best car of Newtowns exhibited. We won \$250 cash prize for the best carload of Spitzenbergs exhibited—this in

competition with twenty-two cars from the Northwest. The Spitzenberg car scored 997 out of a possible thousand. The Newtown car scored 988 in a possible 990. The winning car last year scored 928 in a possible 1,000. In addition, Hood River won the \$500 solid silver trophy cup given by the Chicago

Chamber of Commerce, composed of sixty-two affiliated bodies, for the best packed car of apples exhibited at the Third National Apple Show at Spokane, which was also exhibited at Chicago.

Hood River's claims for ten years have been proven in a substantially convincing way. There is a booklet (a quality booklet) telling the why and how of Hood River that is yours for a 4-cent stamp, by addressing the secretary

HOOD RIVER COMMERCIAL CLUB, HOOD RIVER, OREGON

THE APPLE PICTURED ON THIS PAGE

Is the Famous

Yellow Newtown

Fully fifty per cent of the apples marketed in the Hood River Valley during the past season were of this variety



BECAUSE of its extraordinary keeping quality and delicious flavor and European demand, over three-fourths of the Yellow Newtown output has been exported annually; as a result it is not well known to the trade in this country.

Because of climatic conditions the famous HOOD RIVER VALLEY has proven to be the natural home for the perfect Yellow Newtown. In the coast

sections, where there is a great deal of moisture, it has a tendency to take on fungus, while in higher altitudes it does not do as well.

A carload of these famous apples from the Eggermont Orchard of Hood River, shown at the National Apple Show at Spokane this year, scored, considering the pomological rating, the highest number of points ever scored by any apples at any time at any place.

The following scale of prices received by the HOOD RIVER APPLE GROWERS' UNION for the Yellow Newtowns indicate the high rank of this apple in the commercial world.

1903, \$1.75 Per Box	1907, \$2.25 Per Box
1904, \$1.85 Per Box	1908, \$2.25 Per Box
1905, \$2.00 Per Box	1909, \$2.40 Per Box
1906, \$2.20 Per Box	1910, \$2.00 Per Box

The tree itself grows more symmetrical and cares for itself much better than any other variety, is a heavy bearer, and the Newtown apple is nearest immune from the codlin moth.

For Choice Hood River Valley Orchard Land, See Devlin & Firebaugh's Advertisement, page 22



Hood River Spitzenbergs

like these shown above, won the Sweepstakes at Spokane, 1910, and \$1000 in cash.

Such apples as these have sold at an average of \$2.00 per box for the last ten years.

We have the land that grows these apples in all sized tracts and in all stages of cultivation.

COMMUNICATE WITH US

The Hood River District Land Co.

HOOD RIVER, OREGON

"Within the Shadow of
Mighty Mount Hood"

"Where
the rain and sunshine
meet"

There grow the finest
and
most delicious apples
in all the wide,
wide world



HOOD RIVER
FAMOUS
COMMERCIAL
PACK

HOOD RIVER

"THE MODERN GARDEN OF THE HESPERIDES"

Every apple picked by hand and packed in the most scientific manner under the direct and personal inspection of the Board of Directors of the

HOOD RIVER APPLE GROWERS' UNION

We take pleasure in advising the trade that for the third consecutive time practically the entire crop of this noted valley has been purchased by us.

The early fall varieties are now rolling and will be succeeded within a week or two by the noble NEWTOWN PIPPIN, the delicious SPITZENBERG, the magnificent GOLDEN ORTLEY and such other varieties as grow to perfection only in the Hood River Valley.

Steinhardt & Kelly, New York

The Most Extensive Operators in High Class Fruits in the World

NATIONAL APPLE SHOW PRIZES

Hood River won the Sweepstakes Prize at Spokane, \$1,000 in cash, for the best carload of apples, exhibited by C. H. Sproat, manager of the Hood River Apple Growers' Union, grower and exhibitor; scored 99 $\frac{7}{10}$. Hood River won the cash prize, \$250, for the best carload of Newtowns; scored 98 $\frac{7}{10}$; exhibited by Avery Bros., Hood River. Hood River won the cash prize, \$250, for the best carload of Spitzenburgs, exhibited by C. H. Sproat; scored 97 $\frac{7}{10}$. Hood River won the Sweepstakes \$500 solid silver trophy cup, given by the Chamber of Commerce, Chicago, 62 affiliated bodies, for the best carload of apples exhibited, under the auspices of the National Apple Show, Spokane. This car was exhibited at Chicago. These prizes were won by members of the Hood River Apple Growers' Association, and the apples are being handled by Steinhardt & Kelly.

GRAVENSTEIN SHOW, SEBASTOPOL, CALIFORNIA

FROM THE SEBASTOPOL TIMES

THE greatest thing ever—an exhibit such as has never before been seen in California. These few words describe, in brief measure, the big Gravenstein Apple Show of 1910. In extent, beauty and all other points the apple show was far beyond the expectations of our own people and all visitors. Every one was so amazed that none can find words to fully describe the show. The canvas pavilion, which is eighty feet wide and two hundred and twenty feet in length, was filled with exhibits of rare beauty. If the pavilion were twice as large it might have accommodated all of the apples and other products that the people of this section wanted to exhibit. Thousands of boxes of high grade fruit and many beautiful feature exhibits had to be refused space owing to lack of room. The people of Napa Township never before realized their wealth and strength.

The attendance at the big show every afternoon and evening has been miles beyond what the promoters expected. From San Francisco to Willits, from the Sacramento and the San Joaquin Valleys and from all other parts of the state people have come to take in the show. Yesterday a delegation of Watsonville people arrived in town, and while Watsonville is recognized as one of the greatest apple-producing sections of the West, the visitors tip their hats to Sebastopol and say: "We really didn't think you could do it."

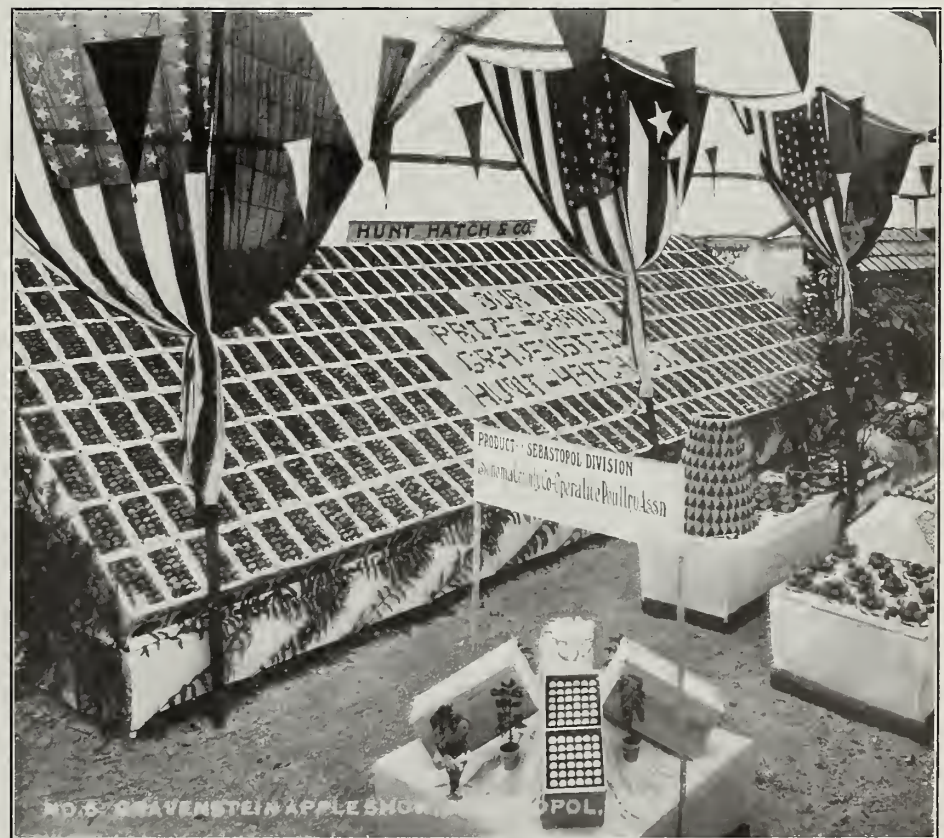
Governor James N. Gillett came all the way from Sacramento Wednesday evening to open the apple show. His Excellency was met at Santa Rosa by a delegation of directors of the apple show and escorted to the Hotel Overton, where a light repast was partaken of. The party then drove to Sebastopol in automobiles and the band and citizens welcomed the Chief Executive most cordially. Thirty minutes later Mayor J. P. Kelly called the meeting to order in a brief but appropriate speech. Mr. Kelly introduced J. P. McDonald, president of the Gravenstein Apple Show Association, who in turn introduced the Governor, who was received with a burst of applause. Governor Gillett expressed his admiration of the excellence of the exhibits and warmly congratulated Sebastopol and the surrounding country and Sonoma County in general upon the enterprise and progressive spirit of our people. He said that he had long known of the great commercial value of the Gravenstein apples, but he never thought that fruit of any kind could be arranged so artistically. The Governor was frequently interrupted by applause, and he closed his speech by saying that he hoped to be present at the opening of our apple show next year.

Director General Edward H. Brown was next introduced and he spoke briefly, warmly praising the people of this section for the splendid assistance they had given him in his work. Mr. Brown has won a warm place in the hearts of the



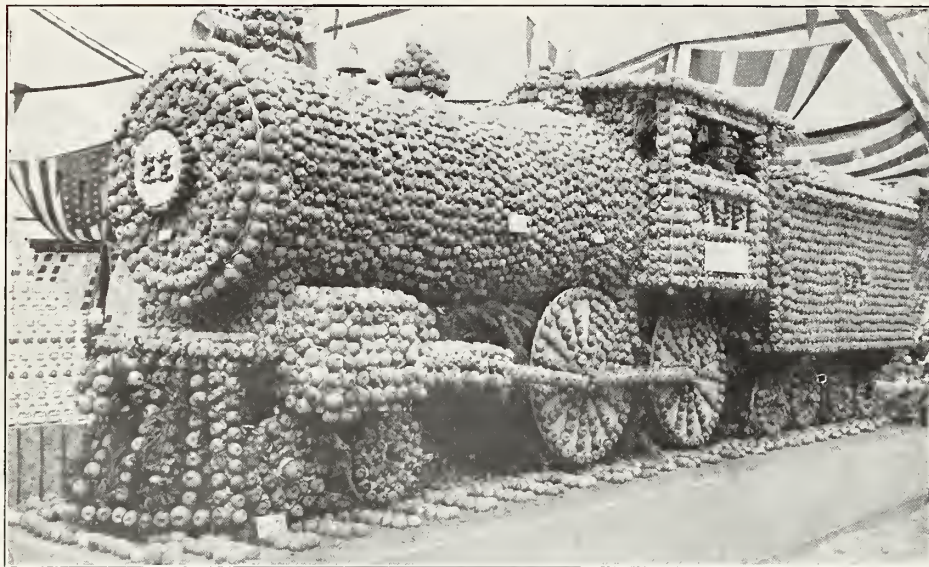
Engraved by Hicks-Chatten Co., Portland, Oregon

ONE OF THE FEATURE DISPLAYS AT THE GRAVENSTEIN APPLE SHOW
SEBASTOPOL, CALIFORNIA, 1910



Engraved by Hicks-Chatten Co., Portland, Oregon

EXHIBIT BY HUNT-HATCH COMPANY AT THE GRAVENSTEIN APPLE SHOW
SEBASTOPOL, CALIFORNIA, 1910



LOCOMOTIVE COVERED ENTIRELY WITH APPLES
One of the feature exhibits at the Gravenstein Apple Show, Sebastopol, California, 1910



A CORNER OF FRUIT EXHIBITS AT THE GRAVENSTEIN APPLE SHOW
SEBASTOPOL, CALIFORNIA, 1910

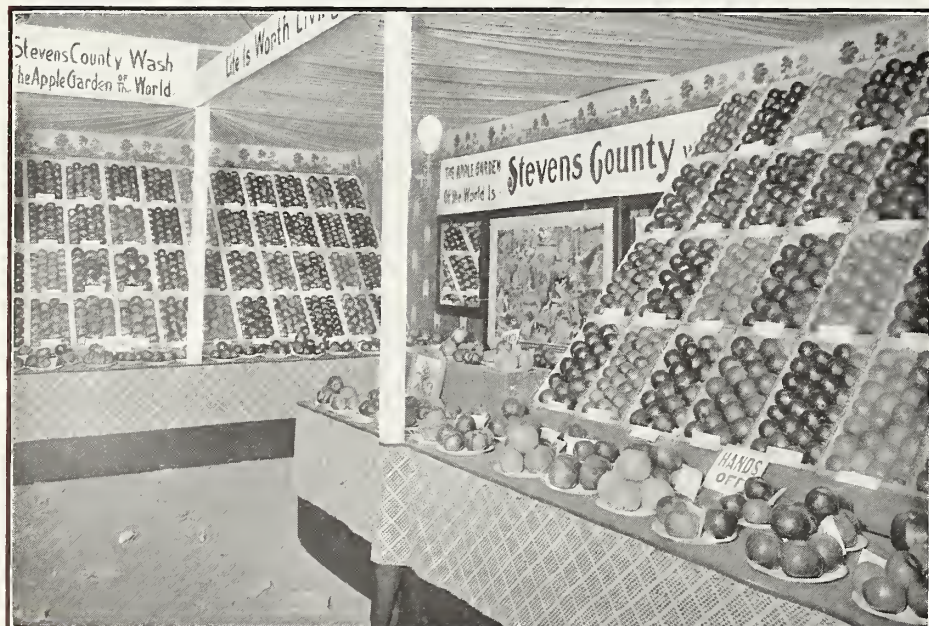


Photo by Frank Palmer, Spokane
Engraving by American Engraving Company, Spokane
STEVENS COUNTY, WASHINGTON, DISTRICT DISPLAY AT THE NATIONAL APPLE SHOW
SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

people of this section by his uniform courtesy, tirelessness, patience and superior ability.

After Governor Gillett had been given an opportunity to view the exhibits he was entertained at supper at the Hotel Martinique, of which H. Hampshire is proprietor. The spread was a most elaborate one and the service excellent.

The outside of the pavilion was decorated with flags and powerful electric lights and presented a trim appearance.

Within the pavilion was such a superb sight as does the heart good to see. Here was a solid display, ranging far around on either side, of beautiful Gravensteins, rosy, sunny, polished, dressed in holiday attire. Thousands on thousands of boxes of Gravensteins, arranged in pleasing and striking designs and giving an aroma that was indeed delightful.

The entire floor space was filled with splendid features, every one of which represented many days of hard and devoted work on the part of intelligent and unselfish men and women. There were such noteworthy structures as the noble models of the county courthouse, engine No. 22, the First National Bank, the Forestville schoolhouse, the Pleasant Hill Evaporator, the Stony Point Growers Association's packing-house, the Graton Depot. Then the charming features, emblematic and ornamental, and the many tables richly filled with all good things that grow. For genuine, substantial beauty, for satisfying and delicious odors, nothing can compete with the contents of the apple show pavilion. And the best of it is that not a single thing displayed came from anywhere but the prolific soil of imperial Sonoma. There were no importations; all was home-grown and home-made. It is, in fact, a generous offering of our own superabundance.

Selfishness was noticeably absent among the exhibitors. While toiling at close quarters for several days the utmost geniality and good-fellowship prevailed. Old friends and new, when they could find a moment, visited one another's displays and sincerely and eagerly admired and praised, and gladly lent a hand when needed. Joy in the working was the universal feeling.

The Committee of Judges of Exhibits of the Sebastopol Apple Show, having finished the task allotted them, reported to the management as follows:

"Owing to the great excellence of the entire exhibit, your committee has had some difficulty in making the awards. We were impressed by the great amount of painstaking labor, skill and ingenuity displayed in getting up these exhibits. Considering the facts this committee has come to the conclusion that the only way to properly distribute the awards is to increase the number of prizes, and in addition make honorable mention of numerous exhibits.

The committee wishes to further state that the Sebastopol Apple Show demonstrates most remarkable possibilities for the apple industry of Sonoma County."

The following are a few of the leading prize-winners:

Apples—Packers' Entry: Gargia & Maggini, 1st prize; Earl Fruit Co., 2d prize; Hunt, Hatch & Co., 3d prize. Growers' Entry: Ida S. Hunt, 1st prize; Vine Hill, 2d prize; Mrs. Cadwell, 3d prize. Feature Exhibit—Huntley and Morse, 1st prize; Pleasant Hill, 2d prize; W. H. Baker, 3d prize.

Best Exhibit Seven Varieties in Regulation Box—J. W. Turner, 1st prize; Mrs. Barlow, 2d prize; Kauffman & Arnold, 3d prize.

Best Exhibit Five Varieties in Regulation Box—Forestville, 1st prize; Pleasant Hill, 2d prize; J. W. Turner, 3d prize.

Best Exhibit Three Varieties—W. N. Couch, 1st prize; J. W. Turner, 2d prize; Mrs. Barlow, 3d prize.

Best Arranged Boxes, Not Less Than 10 Boxes—W. H. Baker, 1st prize; A. E. Scammon, 2d prize; Y. Fugii, 3d prize.

Best Display of Apples in Plates—Ida S. Hunt, 1st prize; Mrs. Turner, 2d prize; Mrs. N. Briggs, 3d prize.

Best Apple Exhibit From One Tree—H. R. Harbline, 1st prize.

Best Exhibit of Apples in Baskets—Ida S. Hunt, 1st prize.

Best Exhibit From One District—Stony Point, 1st prize; Vine Hill, 2d prize; Forestville, 3d prize.

Special Prize by California Spray Chemical Company—H. Elphick, 1st prize; D. D. Sinclair, 2d prize; John Willey, 3d prize.

A special cup prize by Sherwin-Williams Arsenate of Lead Co. was won by Mrs. Ida S. Hunt.

Kauffman & Arnold's display of seven varieties of matured apples was much admired and won merited praise.

The Analy Bank was awarded second feature exhibit prize, \$75 in cash, and the Frist National Bank fourth feature prize, \$25 in cash. Both banks withdrew in favor of the other exhibitors.



THE First Annual Apple Show of Eugene was held in October. The interest taken by growers both near and far speaks volumes for the industry in this section. There were many beautiful displays. The following exhibitors won prizes:

J. Beebe, five boxes, \$50 gold watch.
F. L. Waite, three boxes, \$25 in cash.
J. Beebe, two boxes of Spitzenbergs, \$15 in cash.
J. Beebe, two boxes Yellow Newtowns, \$10 in cash.

H. F. Hollenbach, two boxes Baldwins, \$10 in cash.

Harry Bower, two boxes Spitzenbergs, \$10 in cash.

B. F. Wheeler, one box Jonathans, \$5 in cash.

B. F. Wheeler, one box Red Cheek Pippins, \$5 in cash.

H. F. McCormick, one box Rhode Island Greenings, \$5 in cash.

H. E. Wylie, one box Northern Spies, \$5 in cash.

George T. Ray, one box Kings, \$5 in cash.

H. F. McCormick, Winter Nellis pears, *Daily and Twice-a-Week Register* one year.



Editor Better Fruit:

Your journal is a very clean-cut, effectively gotten up publication, and I will be pleased to have it before me in my work down here in a kindred field of labor.—Yours very truly, A. S. Leecraft.



Editor Better Fruit:

That some editors have been too guarded in advising their subscribers to discount the claims of all new introductions at least 100% the enclosed copy will verify.

Dried berries of the fig type variety of strawberries were used for manufacture by J. D. Hilton, and sold to the trade, as strawberry confection or fruit candy. Samples sent out by myself to get expressions of opinions brought out replies in part like the enclosed copy. Aside from their preservative nature, in their fresh ripe state, they are fine. Although it will be hard for the old strawberry growers and originators to accept the claim at once, it will have to be accepted. That the fig types will become popular in their fresh state goes without saying.

I am not seeking free advertising, nor do I claim my twenty-one years of experimental work heeding the strawberry to a higher standard, and the placing of the strawberry in the list of evaporated fruits entitle me to prominence or a free mention in your journal. That there will be some inquiries as to the facts of this claim in strawberries, you will now have evidence of facts.—I am, Yours truly, H. J. Schild, Ionia, Michigan.

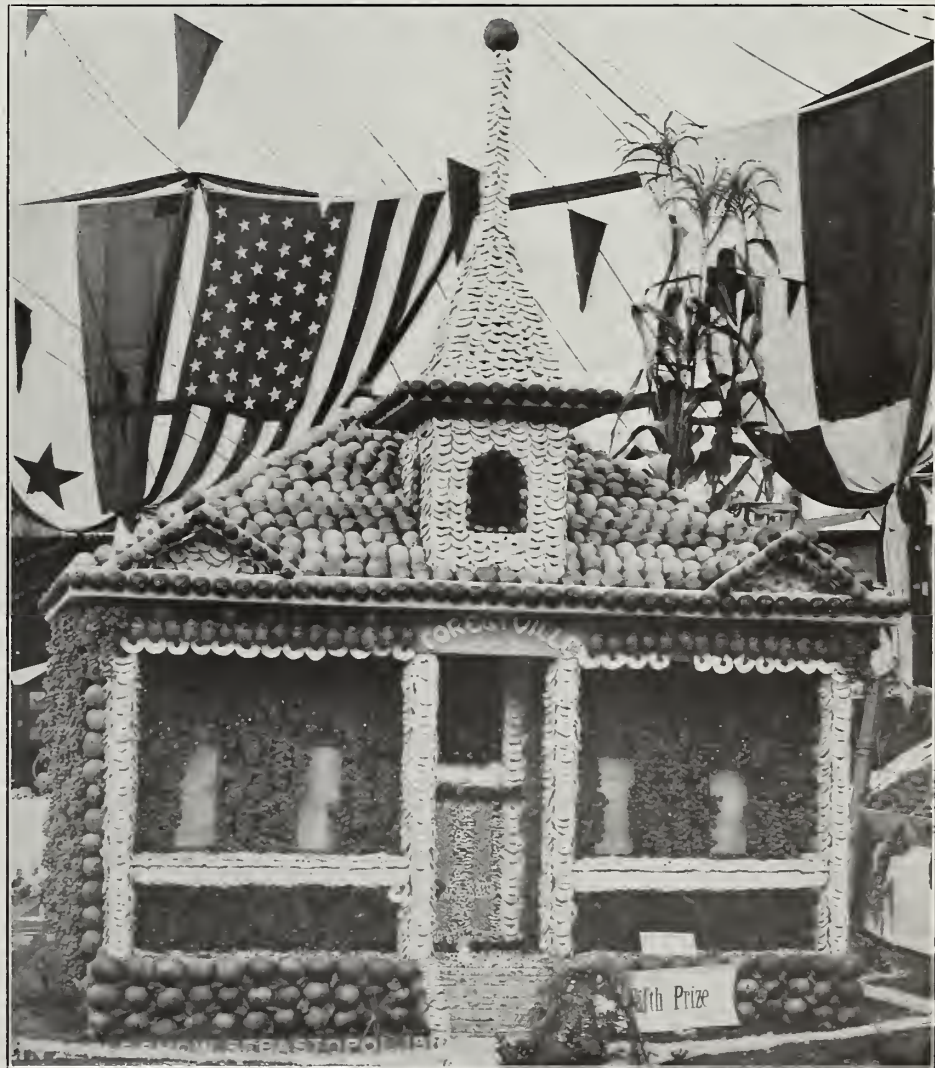
Mr. H. J. Schild, Ionia, Michigan:—Your letter with samples of your dried strawberries and strawberry confection is at hand, and I am more than pleased with the way they show up. The strawberries were evidently preserved by drying only, and were in such a condition that they could be

kept indefinitely. They absorbed water, however, and soon swelled to about the size of the small Warfield berry. The berries had a very noticeable fig flavor, and the texture and taste did not seem unlike that of figs. Judging from the texture of these fruits, it is quite evident that the fresh fruit

itself would be excellent for shipping, and would have a very sweet, pleasant flavor, so that it would be excellent also for use either in a fresh state or when canned or preserved.—Yours very truly, L. H. Taft, State Inspector of Nurseries and Orchards, East Lansing, Michigan.



Engraved by Hicks-Chatten Co., Portland, Oregon
EXTERIOR VIEW COLISEUM BUILDING, CHICAGO, ILLINOIS, WHERE THE UNITED STATES LAND AND IRRIGATION EXPOSITION WAS HELD THIS YEAR



Engraved by Hicks-Chatten Co., Portland, Oregon
ANOTHER OF THE FEATURE EXHIBITS AT THE GRAVENSTEIN APPLE SHOW SEBASTOPOL, CALIFORNIA, 1910

THE FOURTH ANNUAL ALBANY APPLE FAIR

THE first prize of a \$100 silver cup for the best county exhibit at the Fourth Annual Albany Apple Fair, was won by Lane County. This makes the second consecutive year in which Lane has won this cup, offered annually for the best exhibit of at least 20 boxes of five or more varieties from any county in the Willamette Valley except Linn, the home county of the fair being barred from competing for this prize.

Brownsville won the \$50 cash prize for the best Linn County community exhibit of 10 boxes of three or more varieties. There were six entries for this prize and the competition was spirited. The second

prize went to Santiam and the third to Oakville.

The judges were: H. C. Atwell, of Salem, president of the State Horticultural Society; E. C. Roberts, of Lebanon, ex-county fruit inspector of Linn County, and E. C. Armstrong, of Salem, county fruit inspector of Marion County. The awards were as follows:

Best Five Boxes of Three Varieties—1st prize, Henry Bushnell, of Junction City; 2d, Henry Struckmeier, of Thomas; 3d, F. L. Waite, of Eugene.

Best Box of Yellow Newtown Pippins—J. Beebe, of Eugene.

Best Box of Spitzenbergs—1st, C. C. Cate, of Brownsville; 2d, F. L. Waite, of Eugene.

Best Box of Kings—1st, Mrs. Harold Rumbaugh, of Albany; 2d, H. G. Rumbaugh, of Albany.

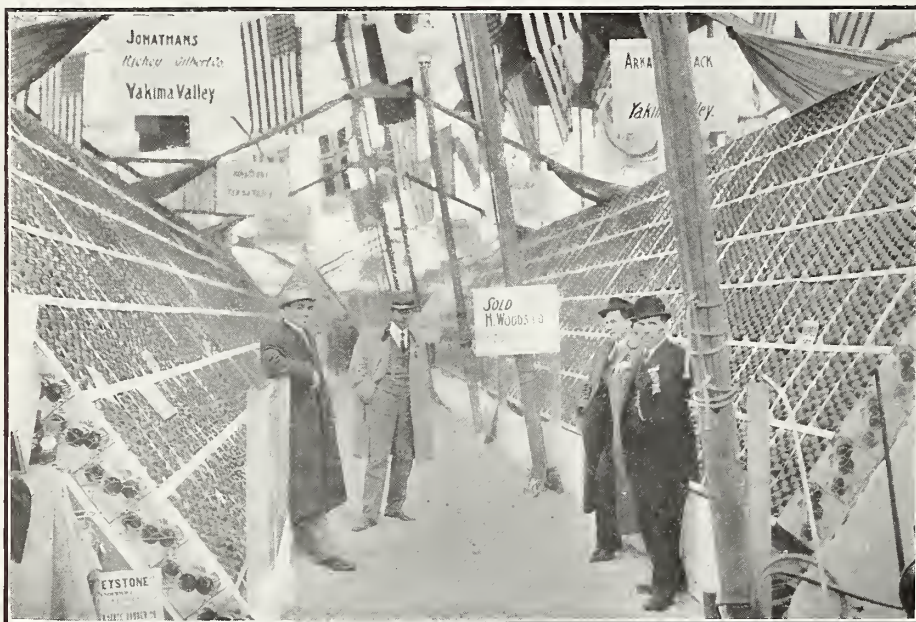


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

AVENUE OF PRIZE WINNING CARLOADS OF JONATHANS AND MIXED VARIETIES Exhibited by Richey & Gilbert Company, North Yakima, Washington, at National Apple Show, Spokane, Washington, November, 1910. Further back in the picture is the first prize winning carload of Winesaps, of which we were unable to secure pictures.

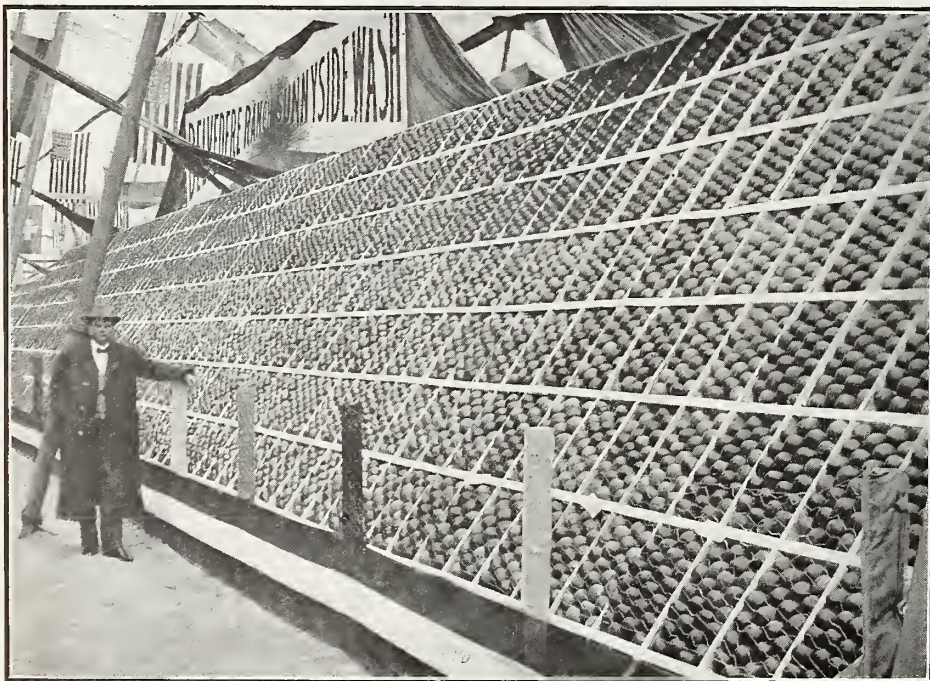


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

MIXED CARLOADS OF APPLES FROM SUNNYSIDE, WASHINGTON, AT NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910

Best Box of Baldwins—1st, S. P. Williamson, of Oakville; 2d, H. G. Rumbaugh, of Albany.

Best Box of Red Cheek Pippins—1st, S. P. Williamson, of Oakville; 2d, Frank Holman, of Albany.

Best Box of Ben Davis—1st, J. Beebe, of Eugene; 2d, H. G. Rumbaugh, of Albany.

Best Box of Grimes Golden—Henry Struckmeier, of Thomas.

Best Box of Jonathans—John Goetz, of Albany.

Best Box of Wageners—1st, H. G. Rumbaugh, of Albany; 2d, Mrs. Harold Rumbaugh, of Albany.

Best Box of Starks—A. W. Martin, of Albany.

Best Box of Mammoth Black Twigs—H. G. Rumbaugh, of Albany.

Best Box of Ganos—John Smith, of Albany.

Best Box of Northern Spy—1st, H. G. Rumbaugh, of Albany; 2d, S. P. Williamson, of Oakville.

Best Box of Rome Beauty—John Goetz, of Albany.

Best Commercial Packed Box—1st, H. G. Rumbaugh, of Albany; 2d, H. C. Bushnell, of Junction City.

Best Display on Plate, 10 or More Varieties—1st, C. C. Cate, of Brownsville; 2d, J. Slider, of Albany.

Best Five Boxes, Not Less Than Three Varieties, Grown and Packed by Exhibitor—H. G. Rumbaugh, of Albany.

Best Three Boxes, Three Varieties, Grown and Packed by Exhibitor—Frank Holman, of Albany.

Best Commercially Packed Three Boxes, Three Varieties, Grown by a Member of the Albany Applegrowers' Association—Frank Holman, of Albany.

Best Pyramid Display of Baldwins—1st, W. L. Grove, of Tangent; 2d, Henry Struckmeier, of Thomas.

Best Pyramid Display of Kings—1st, H. G. Rumbaugh, of Albany; 2d, W. L. Grove, of Tangent.

Best Pyramid Display of Spitzenbergs—1st, H. G. Rumbaugh, of Albany; 2d, John Durham, of Lebanon.

Best Pyramid Display of Red Cheek Pippins—1st, S. P. Williamson, of Oakville; 2d, Frank Holman, of Albany.

Best Collections of 50 Apples, One or More Varieties, Arranged in Pyramid Shape—1st, A. W. Martin, of Albany; 2d, H. G. Rumbaugh, of Albany.

Largest Apple at the Fair—A. W. Martin, of Albany.

◆ ◆ ◆

ALMANAC AND ENCYCLOPEDIA.—In almanacs fashions have changed. Directions for planting in favorable phases of the moon no longer have place; and even jokes and homely, pithy saws, such as Poor Richard was wont to deliver, have passed into the great beyond of printers' ink.

Within the last few years the arm of progress has swept tradition aside and produced an almanac in accord with the times. Containing not only all practical, scientific information regarding the changes of season and the movement of astronomical bodies, the modern almanac goes further and makes itself each year a purveyor of the latest gospel of agriculture by giving strong, striking signed articles from the great authorities of agriculture. Of such a nature is the handsome 100-page almanac recently issued by the International Harvester Company of America, with general offices in Chicago, Illinois. In usefulness it has not been surpassed by its authoritative utterances.

The feature articles in the new almanac are by Frank P. Holland, president Texas Farm and Ranch Publishing Co., who writes on "Trees Worth Growing"; Professor P. G. Holden of the Iowa College of Agriculture, who writes on "Corn"; W. D. Hoard, editor of Hoard's Dairyman, who tells about "Up-to-Date Dairying," and Henry Wallace, editor of Wallace's Farmer, who advises on "Sanitation in the Country."

"Building Suggestions," by J. E. Wing; "Farm Power," by Professor E. C. Lucke of Columbia University; "Farm Machines and Progress," together with maps showing the number of machines in use and the production of wheat by decades from 1840 to 1900. The articles are accompanied with photographs of the writers, and are powerful and full of pith. Many other subjects are interestingly treated in this book. Ask the company for a copy of this very valuable book.

◆ ◆ ◆

Editor Better Fruit:

Let us express the kindest regards and best wishes for the birthday that you were celebrating on December 24th. We hope there will be many happy returns, likewise that the coming year will be even a more prosperous one, not only for you personally, but for "Better Fruit," than ever before in its history. It is a certainty that the publication is the very best magazine of the kind extant, and we know that that is due entirely to the close and careful attention you have been giving to it since the day of its inception.—Yours very truly, Produce Reporter Company, Chicago.

◆ ◆ ◆

Editor Better Fruit:

We have received a great many congratulations about the special edition of "Better Fruit" on the subject of orchard heating. We could use a few more copies of this paper if you could spare them.—Yours very truly, The Ideal Orchard Heating Company.

◆ ◆ ◆



C. C. CHAPMAN

Secretary Oregon Development League, Portland, Oregon
Manager Promotion Committee Portland Commercial Club

RED GRAVENSTEIN APPLE.—In an orchard of ten acres, at Olga, Orcas Island, San Juan County, Washington, are 50 Gravenstein trees, which have been bearing about ten years. On one of the trees, starting from the main trunk and about three feet from the ground, is a limb which from the time the tree commenced to bear, has produced these beautiful apples. This is called by horticulturists a sport, and is of very rare occurrence. We call the apple the Red Gravenstein because it has the Gravenstein flavor, the Gravenstein shape, the Gravenstein core and ripens at the same time. In fact it is a Gravenstein in every way except color. We have top-worked 68 trees to this apple, 16 of which are bearing, and from which these apples come. We are also propagating the trees for sale, and expect to have forty to fifty thousand for fall of 1911 and spring of 1912 delivery. We claim it to be a better commercial apple than the common Gravenstein because it is a better bearer, a better keeper, sells for double the price and is surely a handsomer apple. If you are interested and wish any further information, address Van Sant & Whipple, or The Vineland Nurseries Co., Clarkston, Washington.

[Editor's Note.—The editor saw a box of these Red Gravensteins at the National Apple Show at Spokane in November. It had kept well and was in fine condition at this date. The color was a beautiful red, the flavor excellent. The color is much handsomer on this than the ordinary Gravenstein, and it is our impression that the apple is worthy of trial tests by fruit growers. We believe a grower will be justified, if conditions are favorable, in planting a small per cent of this variety, although we always are conservative about recommending any new variety until it is proved out commercially.]

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Editor Better Fruit:

Enclosed find sum of one dollar (\$1.00) for "Better Fruit" another year. I cannot understand how any orchard man can do without "Better Fruit."

Every detail of orchard work, correct fruit packing and scientific fruit raising is fully illustrated, which is surely a very great help to the industry. Why, I have a year's numbers of "Better Fruit" that I would not part with for any consideration. Having received notice of expiration of my year's subscription, I was fearful lest I should lose one number, but on going to town was agreeably surprised to find my October number in the office.—John Miller, Prescott, Washington.

LAND shows are the latest creations in the profession of publicity in the Eastern and Middle West cities. For the purpose of exploiting the Western Land Products Exhibit to be given at Omaha from January 18 to 28, 1911, Fred A. Shank, of Omaha, called upon Secretary C. C. Chapman, of the Portland Commercial Club, yesterday. He explained to the club that space in the Omaha show was reserved by Wyoming, Utah, Idaho and Colorado, and that his visit here is for the purpose of getting the co-operation of Oregon. Space in the auditorium is being offered to the various Coast States for \$2 a square foot. It is proposed that sufficient space be engaged so that exhibitors from Oregon may place displays without the additional burden of paying for floor charges.

To gain this end Mr. Shank suggested that the Commercial Clubs subscribe the necessary money and thus give the exhibitors a chance to show what Oregon can do in products of this state. He further said that the railways had consented to join the enterprise and that prospects for an excellent show were exceedingly bright.

Land shows are on the increase. Chicago will hold one beginning November 28 and lasting a week. Pittsburg has just held one and New York has made plans for holding one in November, 1911. It is predicted that Minneapolis, St. Paul, Columbus, Ohio, Kansas City and St. Louis will soon enter the field, and that land shows will become a regular feature of



JOHN M. WALKER

Colorado, President of the Western Fruit Of the Humphrey Co. mission Company, Denver, Jobbers' Association.

the great commercial centers of the country. The method is to secure attendance from the surrounding country of farmers and of the prospective settlers for the Far West to encourage them in their desire to move to a new country. This is accomplished by lectures, by reading matter and by displays in large auditoriums. Accompanying these displays are numerous articles in the local papers free of cost. At Omaha it is planned to have the Governor of each Western state speak upon the resources and the opportunities of his particular section.—Oregonian.



Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

AVENUE OF CARLOADS OF APPLES FROM HOOD RIVER VALLEY, OREGON, AT THIRD NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910

To the left is the first prize carload of Newtown Pippins from the Eggermont Orchard, Avery Brothers, growers. To the right is the sweepstakes carload of Spitzenbergs grown by C. H. Sproat. In the rear will be seen the "Better Fruit" booth.

GRAFTING AND TOP WORKING OF FRUIT TREES

Continued from December Number

The scions may be stored in sand in a cool corner of the cellar or buried out of doors. The main object is to keep them cool and moist and away from fluctuating temperatures. An excellent plan is to bury them on the north side of a building or in some spot shaded most of the day. They need not be buried deep, from twelve to eighteen inches being sufficient in a well shaded spot.

It would hardly seem wise to leave the subject of top-working old trees without some comment on future treatment of the grafts. The setting of the scions is only the first step in working over the tree. Should we stop here, a most miserable failure, or at least a poor top,

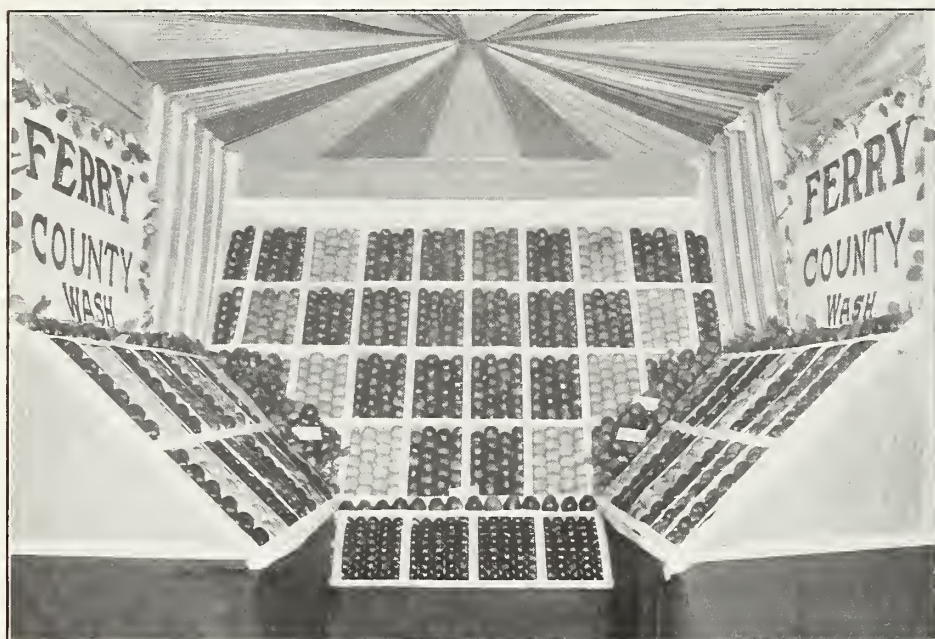
would be the result. Many a good catch is ruined by neglecting the pruning the first two seasons. During the first season the grafts should make a very rank growth, and they will require some pinching back to save them from becoming top-heavy, and consequently easily blown out. The common practice is to head-in the rapidly growing shoots when they have attained a length of from eighteen inches to two feet. This forces branches from below, and if growth becomes too heavy these may need cutting back before the season is over. This pruning insures stockiness of the new growth and throws much of the energies of the top into a good union.

The growth of suckers or watersprouts from the stock should not be allowed to any great extent. Should the stubs be exposed to the direct rays of the sun it is well to leave some of this growth, pinching it back to cause it to form a dense shade. Unless needed for protection it is well to rub the sprouts off as fast as they appear.

The following spring the system of pruning should resemble very much that of pruning young trees. The growth of the grafts should be cut back to usually not over eighteen inches in length. They may be cut even shorter if the growth has not been satisfactory. If all three buds have started from a scion, it is well to remove all but one to avoid crowding. As a rule, the growth from the lower bud will be the strongest, and should be retained. Should the formation of the top allow it, a second growth may be left. If the grafts have been set in near the head of the trees they will require some pruning in reference to spreading the top. The general tendency is for the top-worked tree to grow too compact. Cut the grafts back to one of the strong outside branches started by the first pinching back and it will give them a start in the right direction. What shall we do where two scions start in the same stub? Should the stub be less than three inches in diameter one should be removed at this time. Keep the stronger, or if there should be little difference, the one best situated to help make a good top. Cut the other off close, even to removing a small corner of the stump on that side; the wound will heal better. Should the stub be over three inches in diameter there is some argument in favor of leaving the extra graft another year. It will help callous over the stub, and may be removed the following spring, leaving a comparatively small wound. If left longer, or until the two grow together, the result is a bad crotch and sometimes a pressure which may actually split the stub.

Subsequently pruning will consist in such cutting back as will help form a stocky and well shaped top. They will demand the same attention as young trees. Spread the top by pruning to outside buds or branches, and do not pay too much attention to the small wood. Some of the small branches may require cutting out or clipping back, but, remember, in it we have the start for early fruiting wood.

There is a growing conviction among the fruit growers that better results may come from planting vigorous young trees of some strong, growing kind to be later worked over to the desired variety. In the opening remarks on this subject, mention was made of the desirability of working weak growing kind on stronger root systems, as well as top working as a means of lessening loss from attacks of root rots and woolly aphids. The embarrassment of growing the orchard to a bearing age only to find some of the trees not true to name may be avoided by this plan of starting the young orchard. Then every fruit grower has observed that few trees of the same variety are alike in bearing habit and



Engraved by Hicks-Chatten Engraving Company, Portland, Oregon

FERRY COUNTY, WASHINGTON, DISTRICT DISPLAY, NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910

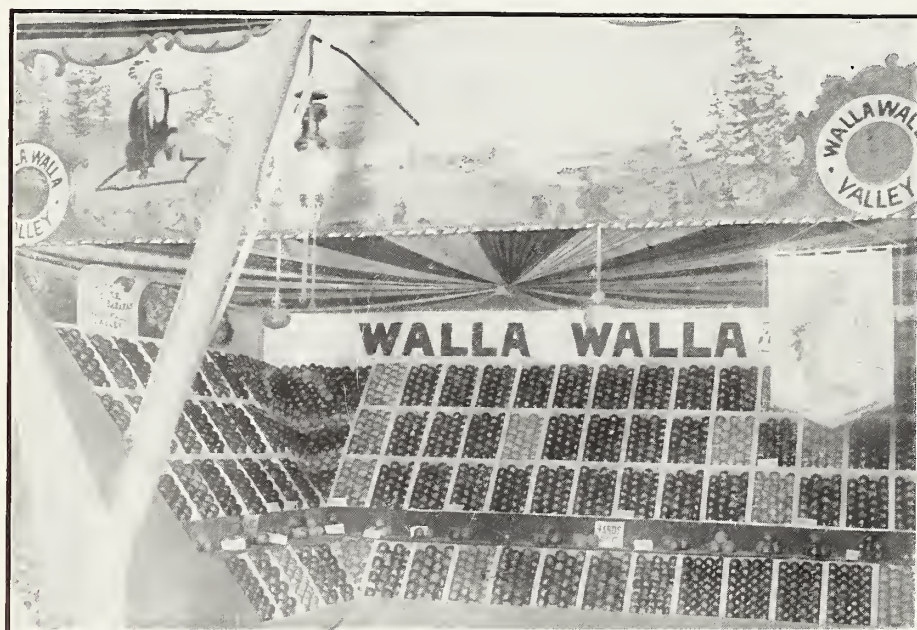


Photo by Frank Palmer, Spokane

Engraving by American Engraving Company, Spokane

FIRST PRIZE IRRIGATED DISTRICT DISPLAY FROM WALLA WALLA VALLEY, WASHINGTON, AT NATIONAL APPLE SHOW, SPOKANE, WASHINGTON, NOVEMBER 14-19, 1910, AND CHICAGO, ILLINOIS, NOVEMBER 28-DECEMBER 4, 1910

Continued on page 72



VIEW OF

N. S. Titchenal's Orchard

CENTER OF FAMOUS WENATCHEE VALLEY

**Containing 27 acres, located one and three-fourths
mile east of Cashmere, Washington**

On the main thoroughfare of the valley, ten miles from Wenatchee. This tract is watered from the Wenatchee canal, one of the best water systems in the state. The water right calls for one-half inch of water per acre, from April 15 to November 1, with maintenance fee of \$1.50 per acre. The trees are planted thirty feet apart each way, giving ample room for cultivation and spraying. The trees will be two, three and six years old next spring, and the varieties are Spitzenberg, Winesap and Black Ben Davis, with a few Stayman Winesaps that were mixed in the order by mistake. The 700 five-year-old trees produced this year 1,400 boxes of apples, most of which were extra fancy. The soil is a dark, sandy loam with a depth of more than ten feet. The above cut will show the lay of the land; the picture was taken looking north, the land sloping gently to the south. I wish to sell a part of this tract, as there is more than I care to take care of. I will sell 17 acres, in one or two tracts. Price \$1,500 per acre; one-half cash, balance time to suit purchaser. I also have a tract containing 5.69 acres, trees set twenty-five feet apart, four years old, three-quarters of a mile from depot, just outside city limits, with good four-room house and good well eighteen feet deep, with plenty of water. This is also watered from the Wenatchee canal, and lies well for irrigation. This place is for sale for \$8,500; one-half cash, balance terms to suit purchaser, at 8 per cent interest.

For further particulars call on or write or telephone

N. S. TITCHENAL, Cashmere, Washington

R. F. D. Box 95

Telephone No. 114

BETTER FRUIT

HOOD RIVER, OREGON

OFFICIAL ORGAN OF
THE NORTHWEST FRUIT GROWERS' ASSOCIATION
A MONTHLY ILLUSTRATED MAGAZINE
PUBLISHED IN THE INTEREST OF MODERN
FRUIT GROWING AND MARKETING
ALL COMMUNICATIONS SHOULD BE ADDRESSED AND
REMITTANCES MADE PAYABLE TO

Better Fruit Publishing Company

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SUBSCRIPTION PRICE \$1.00 PER YEAR

IN ADVANCE, IN UNITED STATES AND CANADA

FOREIGN SUBSCRIPTIONS, Including Postage, \$1.50

ADVERTISING RATES ON APPLICATION

Entered as second-class matter December 27, 1906,
at the Post Office at Hood River, Oregon,
under Act of Congress of March 3, 1879.

NATIONAL APPLE SHOWS.—In the year 1908, Spokane conceived the idea of holding an apple show that would be national in significance, and of such magnitude as to impress the world with the fact that the Northwest was a wonderful apple producing section. For three consecutive years Spokane has held an immense apple show, successful from every point of view. Spokane was the first city to conceive the idea of giving such a show and of making carload displays of apples.

In the year 1909 Colorado gave an apple show, and in 1910 Vancouver held a national apple show, and also the City of Watsonville, California, located in the Pajaro Valley. A number of other apple shows were held at various points in the Northwest; one of the largest ones being at Portland, in Oregon, all of which were much larger than in any previous year, but not in carload displays—all of these shows are educational and instructive.

This year Spokane took the winning carloads to Chicago, displaying them in the armory, which will be of inestimable value in a publicity way to every section in the Northwest. The Colorado Apple Show was not repeated this year. It seems that we are justified in assuming that some of the cities which held apple shows on the carload basis this year will not repeat next year. The reason is apparent. The expense is enormous, and while we do not speak authoritatively,

we understand that the Spokane Apple Show cost about \$45,000, and to carry the exhibit to Chicago, put it up and meet all contingent expenses, \$35,000 more—a total sum of \$80,000, approximately. Now, while we do not know what the receipts were for admission and a few concessions at the Spokane Apple Show, we doubt if they exceeded \$30,000, leaving \$50,000 for the business people of Spokane to raise, all of which we understand is practically subscribed in advance through a publicity fund for the National Apple Show, furnished by the Chamber of Commerce and business men of Spokane.

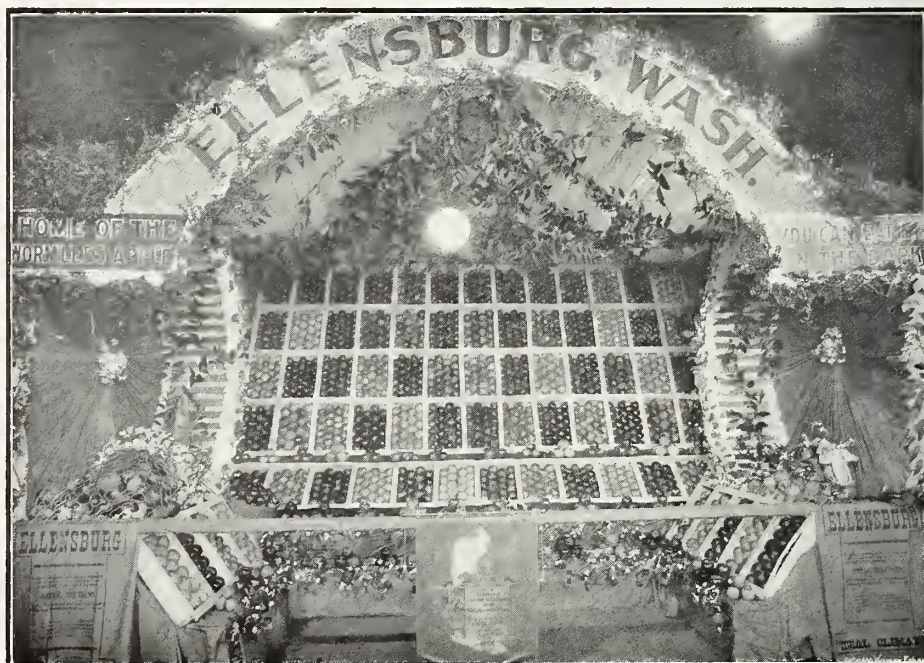
Judging from the expense of giving a national apple show and the receipts, it is evident that any city intending to give one will have to raise a fund of from \$25,000 to \$50,000 bonus, we doubt if there are very many cities in the Northwest willing to assume such an undertaking, and we cannot help but feel that it would be better to have one big apple show, a national apple show on a carload basis, than to have several which might be lacking in size and attendance. We do not wish to be understood as indicating that districts and cities in the Northwest should not have their local displays, such are certainly attractive and educational, and of great benefit in a publicity way, but we rather incline to believe that the Northwest can only support one big apple show on the carload basis, where 15 or 20 carloads are exhibited. We doubt if growers can, or would, support more than one by making carload entries.

It does not seem to us that growers in the Northwest would presume to dictate in which city the show should be held, but we are rather inclined to believe that Spokane is entitled to this privilege, providing its business men see fit to finance it, for the reason that Spokane originated the idea of an apple show.

Portland originated the idea of a rose show in the Northwest, and we believe it is justly entitled to continue this Annual Rose Festival, without other cities usurping their right. Seattle had its Yukon Exposition, in which all cities and sections of the Northwest joined to contribute to its success. Therefore we cannot see any occasion or any necessity for changing the existing program, providing these cities desire to give such exhibitions and to finance them with the support of their own business people.

♦ ♦ ♦
TO ADVERTISERS.—The three fundamental principles every man should bear in mind, and particularly the advertisers in "Better Fruit" in composing copy, are, first, the ad should catch the eye; second, the ad should interest the reader, and third, the ad should convince the reader. Volumes have been written on composing copy, and we believe that everything that has been said along this line comes under one of these three heads, and we don't believe any more thorough or concise statement has ever been made than the above for the benefit of the man composing the ad.

♦ ♦ ♦
THE immense apple crop of the Northwest becomes only a drop in the bucket, viewed in the proper light. If the crop is marketed in a business-like way and properly distributed it will be a long time before the Northwest will glut the markets. The apple crop of California, Colorado, Utah, Montana, Idaho, Oregon and Washington probably did not exceed 15,000 cars in 1910. 600 boxes to the car, 100 apples average to the box, would make 900,000,000 apples. If properly distributed so that every inhabitant of the United States could eat one apple a day, they would eat up every apple of this wonderful crop grown in these states in ten days. This is a plea for greater distribution.



Engraved by The American Engraving Company, Spokane
ELLENSBURG, WASHINGTON, DISTRICT DISPLAY AT THIRD NATIONAL APPLE SHOW
SPOKANE, WASHINGTON, AND CHICAGO, ILLINOIS, 1910
Ellensburg Chamber of Commerce won first prize on most artistic limited display.

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*More widely used
than any other kind!*

Why?

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There must be merit in the *brand* of nails that has *created* and *satisfied* the demand of the box maker for over 25 years. During all that time the sales have steadily increased. This tells the whole story of the result of an earnest intelligent effort to produce the best nails possible for every purpose.

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FOR { SAN JOSE SCALE
APPLE AND PEAR SCAB } NONE OTHER AS GOOD AS

Ortho Lime-Sulphur Solution

Make money by buying new-processed and stronger solution for exactly the same price you have been compelled to pay heretofore for weak and uncertain product. Demand the best the market affords. The best is never too good. Demand O-R-T-H-O, the new aristocrat of sprays.

Yours for spray-efficiency and strength,

CALIFORNIA SPRAY-CHEMICAL COMPANY

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White Salmon Valley Bank

Under state examination

White Salmon, Washington

SOMETHING DOING.—Evidently the East is becoming agitated on account of the popularity of the Western apples, which have been rapidly growing into favor for the past few years. The trade is buying Western boxed apples more extensively than ever before, and the consumers are eating them in greater quantities every year. Press reports throughout the East indicate this topic as one of the principal ones for districts where the most of the horticultural meetings are being held. Advance reports indicate this will be a main feature of the New York state meeting, and what is true of this meeting is true of other horticultural meetings. The Daily Oregonian, the best daily publication west of the Mississippi River and without any superior in United States, covers the subject in a way that meets with our approval in an editorial of January 6th, which we quote herewith:

"The New York Fruit Growers' Union is holding its tenth annual meeting at Rochester, and, according to news dispatches, the main point under discussion is 'how to meet the inroads of West-

ern apples in markets until now held by Eastern orchardists.' The remedy suggested is that the Eastern growers be taught to produce apples that will compare with the Western fruit in appearance as well as in quality. While it may not have occurred to the New Yorkers, the best method by which this desired end can be reached is for them to come out West and here grow Western apples. Rochester, where the fruit growers are meeting, produces good kodaks, collars and shoes, but for people not engaged in the production of these necessary staples Oregon offers advantages which vanished from New York when the last of the Mohicans went over the divide."

MR. H. C. ATWELL, president of the Oregon State Horticultural Society, has called a meeting of the fruit growers from Washington, Oregon and Idaho to take place January 24th, in the Y. M. C. A. Hall, Portland, for the purpose of discussing organization and a central marketing agency for these three states. We intended to devote more space in this issue to this subject, but on

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Accounts of banks, firms, corporations and individuals solicited. Travelers' checks for sale, and drafts issued available in all countries of Europe.

NEW RESIDENTS

We are always pleased to extend courteous assistance to new residents of Hood River and the Hood River Valley by advising them regarding any local conditions within our knowledge, and we afford every convenience for the transaction of their financial matters. New accounts are respectfully and cordially invited, and we guarantee satisfaction. Savings department in connection.

HOOD RIVER BANKING AND TRUST COMPANY
HOOD RIVER, OREGON

account of the edition being extra in size and the number of copies 15,000, and on account of the immense work connected with getting up this issue, we have been late in going to press, and consequently the edition will probably not be mailed out until the 20th of January, too late for our subscribers to reap any benefit of any further announcement that we could make. It is our intention to publish as full a report as possible on what is done in the way of organization, both at the state meeting at Prosser, Washington, and at the meeting which is being called by Mr. Atwell.

THE average edition of "Better Fruit" costs approximately \$3,000 a month. This edition costs approximately \$3,600. This does not include any salary or profit for the editor and publisher. In other words, it costs \$40,000 per year to maintain "Better Fruit" at its present standard, or over \$100 per day. It takes two weeks' run on a Miehle press to print an edition like this. We mention these matters hoping that they will convince the readers of "Better Fruit" that we need all the assistance we can get. We believe every subscriber enjoys "Better Fruit," appreciates it and finds it interesting, instructive and valuable. We hope every subscriber who loves "Better Fruit" will exert himself to send us in just one subscriber. Mr. reader, if you will do this it will so increase our circulation as to justify us in making a slight advance on our advertising rates, which in turn

will contribute much towards making the publisher's life a pleasure instead of a life of care and anxiety for 365 days in a year.

THIS edition of "Better Fruit," which is devoted to the National Apple Show, contains 108 pages, of which 15,000 copies are published. This means that in printing this issue we print 1,620,000 pages. The length of a page is one foot; if the pages were stretched out in a line, the line would be 1,620,000 feet. As there are 5,280 feet to a mile, it would mean that "Better Fruit," if extended in a straight line, one page after another, the line would be over 307 miles long.

Some idea of the increase of "Better Fruit" may be gleaned from the following comparison. During the first year we printed 1,152,000 pages in "Better Fruit." In this edition of January, 1911, we have 1,620,000 pages, or over one-third more pages in one month than published the entire first year.

THIS edition of "Better Fruit," our Apple Show Special, is an edition of 15,000 copies, and contains over 100 illustrations, with good descriptive illustrated articles about nearly every apple show that has been held in the Northwest during the year 1910.

The columns of "Better Fruit," Hood River, Oregon, will bring your story before 12,000 fruit growers who are enjoying the fullest prosperity. They are the owners of big, productive fruit farms, to whom the whole country looks for its fruit supply.—Publishers Bulletin.

WILLAMETTE VALLEY FARMS

If you are coming West, write to me and let me tell you about the fertile and bountiful Willamette Valley in Oregon. Ask all the questions you want; I will tell you the facts. Send for my free list of Willamette Valley farms. Here is a bargain for some one—160-acre farm midway between Albany, the hub of the Willamette Valley, and Corvallis, the home of the Oregon Agricultural College; beautifully located, 60 acres in alfalfa, an ideal dairy farm, \$150 an acre. Write today for free descriptive booklet.

Address, J. A. HOWARD, Albany, Oregon



The Apple Growers

Make their headquarters at

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Main Office, Medford, Oregon

We will distribute the entire output of the Rogue River Valley—The world's most famous pears—Our Spitzenbergs won first prize in 1909—We use the Revised Economy Code

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North Yakima, Washington

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Apples, Pears, Peaches, Cherries,
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All makes high grade
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Try a pair of American Lady
\$3 and \$3.50 Shoes, or American
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WHILE in the East last year the editor visited a large apple orchard which produced its first crop at twelve years of age, and was told that generally apple orchards in the Eastern States, with the exception of some few varieties, do not begin to bear until they are twelve years old.

This gives a little opportunity for mental arithmetic. If land in the East costs \$100 per acre and it costs \$25 per acre per year to care for an orchard, expenses being about the same in the East as in the West, and you have had to care for it for eleven years before it begins to bear, it would cost a man \$375 per acre at bearing. This would not include living expenses, taxes or interest. Good fruit land in the Northwest can be bought for \$200 and less per acre. Care for six years at \$25 per acre would be \$150, making a cost of \$350 at the end of six years. Net profit has been on an average, and will be in the future, in all probability, in good fruit districts:

Net profit at 6 years of age.....	\$ 100
Net profit at 7 years of age.....	200
Net profit at 8 years of age.....	300
Net profit at 9 years of age.....	400
Net profit at 10 and 11 years of age.....	500

Total profit at beginning of twelfth year.....	\$1,500
Less the cost of the land and caring.....	350

Leaving a profit for the eleven years of...\$1,150

On the other hand, in the East at the beginning of the twelfth year you would be out on your investment and care \$375, whereas in the West, at the beginning of the twelfth year, you would have all the money invested out, and \$1,150 to the good per acre.

Which is the best place to engage in fruit growing, East or West?

HOW do you like the editorial page of this edition? The items are short, but they suggest many subjects for the consideration of the fruit grower, and some of these subjects we will take up in future issues and discuss at greater length. We will be pleased to have short articles from fruit growers commenting on any of the editorials of this issue, any criticisms that might seem proper to the subscriber, and the further expression of his views on any subject mentioned. Of such letters we will publish the best from time to time as our space will permit.

ONE of the late governors of Oregon became famous for his reply to the President of the United States, whom he considered had interfered in state affairs, by sending the following message: "You attend to your business and I will attend to mine."

The East, which grows barrel apples almost exclusively, is attempting to regulate the size of the box that Western apple growers use. To the East we repeat the reply of Oregon's governor and say: "You attend to your business and we (the West) will attend to ours."

J. M. Schmeltzer, Secretary

Hood River Abstract Company
Hood River, Oregon

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When you want any kind of Orchard
Tools come to me and get the Best

THE Hood River Apple Growers' Union has had a fairly good season considering the quite general widespread unsatisfactory condition of the market which has prevailed. In going over the market situation the manager of the Hood River Apple Growers' Union, Mr. C. H. Sproat, has the following to say: "We think the Hood River Apple Growers' Union has fared very favorably when comparison is made with results which other box apple sections have obtained this year. At the same time the results are somewhat disappointing to the Union. The general conditions which prevailed throughout the latter part of the season were very unusual. The trees were heavily loaded with fruit, and while we were anticipating a large crop of average sized apples, the fine growing weather and the early fall rains seemed to produce apples of very unusual size. This in turn produced a very much larger crop than was anticipated in the month of August. In years gone by, the highest priced apples of our fancy grades have been the extremely large ones, for the reason that people seem to want what they have difficulty in getting, there being very few large sized apples on the market in years gone by. These brought high prices. This season the 120s and 128 sized Newtowns and Spitzenbergs were very scarce, so much so that the Union had to cancel several carload lot orders because it was impossible to procure these sized apples; and on the other hand in years past we have had a very fair proportion of 4½-tier stock of

Spitzenbergs and of Yellow Newtowns, which have always sold very readily. This season we were obliged to disappoint Steinhardt & Kelly, for we were only able to supply them with a very small per cent of their needs of 4½-tier Spitzenbergs and Yellow Newtowns. This firm has a special trade which uses a very large output of this sized fruit. The relations which have existed between Steinhardt & Kelly and the Hood River Apple Growers' Union this season have been along the same lines as have prevailed in the three seasons past, in which they have handled our apples. Without casting any reflections on any other f. o. b. buyers the Union feels called upon to express its unqualified approval of the business methods of Steinhardt & Kelly. Of the hundreds of cars which they purchased of us this season f. o. b. Hood River they have not rejected a single car, and only in a very few cases have they written back making any criticisms relative to the quality and packing of the goods. In five or six cases they have specified that certain growers' packs were not up to the regular grade, and asked us to call the attention of these growers to the matter. In view of the fact that the market conditions early in the season were not in favor of f. o. b. buyers the acceptance of all of our goods sold early in the season to this firm is a very pleasing incident in connection with our business.

"We hardly think that the people of Hood River Valley really appreciate the valuable services which Steinhardt &

Double your crop yield.
Double your income.

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That I cannot afford to mark my fruit with bordeaux," says Mr. George T. Powell, of Ghent, New York, a grower of fancy apples. "I have less scale and finer foliage than ever before."

Reason: Five years' consecutive use of

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Cheaper, more effective, and easier to apply than lime-sulphur
Send for booklet, "Orchard Insurance"

PRICES: In barrels and half-barrels, 50c per gallon; 10-gallon cans, \$6.00; 5-gallon cans, \$3.25; 1-gallon cans, \$1.00

If you want cheap oils, our "CARBOLEINE" at 30c per gallon is the equal of anything else
B. G. PRATT CO., Manufacturing Chemists, 50 Church Street, NEW YORK CITY

THE NEW WEST

Is full of surprises. It is no longer the land of cowboys, coyotes, blanket Indians. Instead of illimitable sagebrush desert, one finds fruit laden orchards, heavy headed grain, green meadows and alfalfa fields. It's the best of God's out-of-doors country—clear skies, pure air, snowclad mountains, waterfalls, odorous pine woods. Read all about it in The Pacific Monthly, magazine of the West.

The Pacific Monthly Company,
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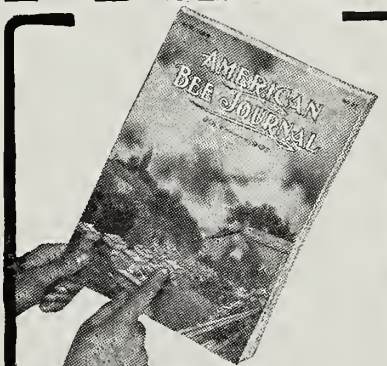
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Our trees are selected, thrifty, well-rooted and true to name.

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Signed J. Roscoe Lee, Baker City.

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To the Oregon Agricultural College: "The work was interesting, instructive and practical."

Signed F. M. Huffman, La Grande.

AUTHENTIC INFORMATION

Railway men say the colonist movement westward in 1910 will be unprecedented. Thousands are harkening to the call and fortunes are being made now by the early arrivals. New railroads are opening up vast, almost limitless new territory. Let us tell you about it. Send 25 cents in stamps for information.

The Pacific Monthly Company,
Portland, Oregon.

Enclosed find 25 cents for three recent numbers containing articles relative to land conditions in the West.

Name.....

BF Address.....

Kelly have rendered in the past and are rendering at the present time to this vicinity. It is no small affair for a firm to purchase f. o. b. 3,000 miles from their place of business hundreds of thousands of dollars' worth of apples, and this is what Steinhardt & Kelly have done, and have accepted without rejection all of their purchases this season, and in fact in all the seasons in which they have dealt with this Union they have accepted their purchases without the rejection of a single car of apples.

"There has been one bad feature of the trade this season which, if possible, should be remedied. Quite a few independent shippers who refrained from joining the Union have sent their high class apples to New York City to be sold on consignment. This fruit necessarily had to go into the market against the f. o. b. purchases of Steinhardt & Kelly. If this method of business continues it will be a wonder if any firm will desire to come to Hood River Valley from the East and put up a large amount of money on an f. o. b. basis and know that their purchases are to go into the market against consigned fruit. It is to be hoped that other methods will prevail with the independent shippers next season. We have had very pleasant business relations with firms in other large cities in the East, although not of anywhere near the magnitude of the business which has been done with Steinhardt & Kelly.

"The Union this season, up to date, has sold apples in 25 states of the Union and in 65 different cities to 87 different consignees. While here and there it has been necessary to allow some rebates from the original invoice price, owing to the poor condition of some of the varieties upon arrival at destination, on the whole we have found the f. o. b. purchasers straightforward and upright business men, and, generally speaking, wherever a rebate has been necessary, we believe the consignee in most cases was justified in asking for the same.

"We think it is excusable on our part to mention the name of Steinhardt &

Kelly in connection with this article, for the reason that it is known all over the United States that this firm is the sole representative of the Apple Growers' Union in New York City, and the business done is of very large volume. We could name many other firms outside of New York City whose business has been equally as satisfactory, and would be pleased to do so only for a good business reason, that we do not care to have the names of our consignees published to the world at large. We have made an earnest effort this season to distribute the Union apples over as wide a territory as possible, and we do not wish the unnamed consignees to feel that there is any reflection on our part against them

FRUIT BOXES

"Larch" Apple Boxes and
Strawberry Crates our specialty

BUILDING MATERIAL

We carry a complete line. Lumber, Shingles, Lath, Plaster, Cement, Lime, Sash and Doors, Brick, Roofing, Building Paper, etc.

We solicit your patronage

Bridal Veil Lumbering Co.
Hood River, Oregon

YOUNG man of good habits, willing and ambitious, 23 years of age, desires position on fruit, dairy or general farm to learn business. Can wait until April or May 1st. Address L. B., care "Better Fruit."

SITUATION WANTED

Practical orchardist seeks position as manager of large acreage bearing orchard or packing house. Ten years' trade experience, three years in British Columbia; packing experience, Hood River. Also knowledge of bookkeeping. Hood River or Okanogan districts preferred. Write A. M. Curtis, 611 Superior Street, Victoria, B. C., Canada.

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Portland Seed Co.'s Complete Annual Catalog for 1911

Specially prepared for Northwestern growers. Fully illustrating and presenting profitable varieties for you to grow. Latest and best equipments for farmer, orchardist, poultryman and beekeeper.

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To those interested sent **free**. Write today asking for Catalog No. 200 Whether you buy or not we would like to send you our special literature.

Our **Diamond Trade Mark** is a guarantee of **Quality, Satisfaction and Full Value**, backed by twenty-five years of success right here in the Pacific Northwest.

PORTLAND SEED CO. PORTLAND, OREGON



when we have spoken so very favorably of the New York firm. Very much over one-half of all our f. o. b. business has been done outside of New York City, and should this article reach the attention of our different consignees in the widely scattered cities of the country where our goods have been sold this season, we herewith desire to thank them for their patronage and for the satisfactory business relations which have existed between us."

There seems to be an impression that much land is being planted to apples that would make better hay, grain and pasture. Intelligence must be shown in locating an orchard if results are to be expected.

The horticultural societies in the East, and particularly in New York, where apples are packed exclusively in barrels, voted unanimously to regulate the size of box to be used out West. WHY?

To copy someone else is easy; to originate requires brains.

ARE YOU INTERESTED IN BEE KEEPING, POULTRY AND GENERAL FARMING?

No section of the United States offers better opportunities for those interested in the subjects mentioned than the West. The supply does not begin to equal the demand. Prices are good, profits exceptional. If you want to know more about the opportunities in the West and Northwest, use the coupon.

The Pacific Monthly Company,
Portland, Oregon.

Enclosed find 25 cents. Please send three recent numbers telling about bee keeping, poultry raising, etc.

Name.....

BF Address.....

THROUGH THE SOUTH SEAS WITH JACK LONDON

Jack London saw many strange sights in his year's cruise on the "Snark." Not all of us will have the opportunity of making such a voyage, but we can enjoy the enchantment and novelty of such a trip through the descriptions of such an artist as London. The series of travel sketches is running now. Send this coupon and get started right.

The Pacific Monthly Company,
Portland, Oregon.

Enclosed is 25 cents. Send three recent issues containing Jack London's South Sea articles.

Name.....

BF Address.....

A prominent official of the O. R. & N. is reported as saying: "There is too much apple talk." We should rather incline to think this remark was twisted; it would seem more proper not to say there is too much apple talk, but that there is lack of sufficient talk about the opportunities in the Northwest for stock, dairying, grain, hay, timber, fishing and many other unlimited resources. We say, "Kick at the fellow who does nothing, but don't kick at the man who is up and doing."

A frivolous fly got stuck on a piece of fly-paper and asked: "Why are my legs like Pearson's cement coated nails?" "Give it up," said the other fly. Answer: "Because they stick and I can't pull them out."

Fruit growers must be making money or have excellent credit, because they are all getting automobiles. One fruit grower in a prominent district took the editor out for a ride a year or so ago behind a Shetland pony you could carry around in your vest pocket. Now he is riding around in an auto that cost several thousand dollars. Evidently there is money in the fruit business, and we would not be surprised to hear that this prominent fruit grower owns an airship in a few years. He is thrifty and prosperous, and lives in one of the best fruit counties of the Northwest.

To make two blades of grass grow instead of one is good farming; to make one good apple grow in place of two poor ones is better apple growing.

Summer apples and some are not, when you buy a barrel of Eastern apples. Holy writ says: "By their fruits ye shall know them."

A great many fruit papers are edited by horticulturists living in large cities; "Better Fruit" is run by a rancher living in an orchard two miles from the little town of Hood River, a famous apple country.

For the fruit grower:

"It is easy enough to be pleasant

When life flows along like a song,

But the man worth while

Is the man who will smile

When everything goes dead wrong."

A man asked the editor of "Better Fruit" to what one thing mostly he attributed his reputation. Answer: By being able to say, "I don't know."

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It will buy one gold bond bearing eight per cent interest and \$50 stock in new company and one town lot in Aldine, near Houston, the greatest city in the Southwest. Terms either cash or monthly. Full particulars free. Address E. C. Robertson, general sales manager, 501 Kiam building, Houston, Texas.

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Address W. J. STEVENS

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In order that we may dispose of our few remaining orchards, we offer a special inducement to purchasers in the way of transportation. This special offer, combined with our low prices, easy terms and a contract with many attractive features, makes this a bargain not to be found anywhere else in the fruit growing districts. They will not last long.

Write for descriptive literature and details of this special offer.

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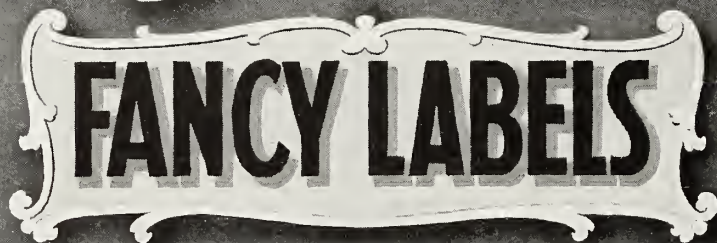
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The Chamber of Commerce Bulletin

DAVID N. MOSESSEHN, Publisher

Suite 616 Chamber of Commerce Building
Portland, Oregon

Continued from page 62

character of fruit. No doubt, many growers have some particular tree in their bearing orchard which is better than all others, that is nearer their ideal. By choosing grafting wood from this tree, a young orchard may be grown as near like it as is possible. There are productive and unproductive trees in every orchard, and the careful selection of scions from productive trees will avail much as means of building up a fruitful orchard.

In top-working young trees it is a common practice to set the trees where they are to grow, and after the scaffold limbs are well formed to graft or bud into these the future top. Some Eastern men have advocated purchasing two-year-old trees in the fall (trees in which the head is already formed) to be grafted over indoors in December. In the West, and especially on a large scale, this system would hardly seem practical. The method of grafting in this case is whip grafting.

In grafting young trees in the field it is probably well to do it as early in the life of a tree as possible. As soon as a good strong framework can be secured the tree is ready for top working. The small size of the stubs make cleft grafting difficult and kerf grafting almost out of the question. Some growers, however, report good success in cleft grafting young trees after two years' growth from a yearling whip. In this case the stubs must be bound with waxed cloth or other material to hold the scion

firmly, and then waxed as in cleft grafting larger stubs.

Another style of grafting, known as whip grafting, is well adapted to working these small stubs of young trees. The process is well illustrated in Figure 6. With this style of grafting it may be possible to set the scions after one year's growth in the field, but it is doubtful whether much time will be gained by such practice. The scion should be as near the size of the stub as possible, if anything, a little smaller. The cambium of the stock and scion is matched only on one side, paying no attention to the other. The joint should be well wrapped with waxed cloth and, to be doubly sure all air is excluded, may be painted over with a warm wax.

In grafting young trees it is a common practice to remove all of the top, placing scions in those arms one wishes to keep. It is always well to work a few extra

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added to cold water, instantly makes a beautiful smooth, white paste. Ready for immediate use at a cost of ten cents a gallon. No labor. No muss, No spoiled paste.

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stubs, as accidents may befall some of the scions. The season for top grafting the young trees is the same as for old trees. While top-working the old trees tends to hasten the bearing of the scions, it is doubtful whether top-working young trees induces earlier fruitfulness.

Budding is no doubt the simpler method of putting a new top on young trees. While the process of budding is a little more delicate than that of grafting, the average man can, with a little practice, get very satisfactory results. Buds should be placed as soon as the top is well formed, setting one or two in each scaffold limb that is to be retained. The buds are generally set from six to twelve inches from the main stem, depending on the formation of the head. Trees two years old when set may generally be budded the following fall, and should yearling whips make a strong growth, the arms may be large enough to receive buds in September. Any stem as large as a lead-pencil may be budded quite easily. Arms in which buds fail to start may be grafted the following spring. Should arms fail to appear in the proper place it is quite possible to supply them by setting buds directly into the body of the young tree. When the buds begin to push into new growth they will require about the same care as young grafts. They will need some pinching back to strengthen the stem and to overcome the tendency to become top-heavy. With the possible exception of young trees budded in late spring, all growth from original stock should be removed as fast as it appears.

Buds may be set during the month of June or early July, or in August and September. For June budding the bud-sticks are cut as soon as well matured wood may be found. Good firm wood, with well developed buds, may generally be cut from bearing trees in the latter

part of June. As soon as buds set in June or July unite with the stock, the bandage is cut and the part of the stock above the bud is removed. In spring-budding it is well to leave some of the new growth which springs from the arms below the bud. This takes the surplus sap and helps nourish the roots until the buds are well started. Wood from buds set in the spring may not mature well in our climate, and is susceptible to winter injury during severe winters. With careful watering it is possible to mature the wood properly, but where practical, fall budding should be given the preference. In the case of peach trees, June budding is preferred where attacks of twig borers often destroy in early spring buds set the previous fall. In the apple and pear it is probably more convenient to bud in the fall. Then, too, arms which are large enough to bud in early spring were large enough the previous September, so one really gains rather than loses time by budding in the fall.

In fall budding the buds are taken from the current year's growth. Buds may be inserted in wood of one, two or three years' growth. The stiffness of the bark of the other wood makes budding difficult. The heavy bark not only makes the insertion of the bud difficult, but in drying out it curls away from the bud, exposing it to the air. The simplest form of budding is that known as shield-budding or T-budding. The position for the bud is chosen with reference to the prevailing wind, protection from the sun's rays, or to best form the top of the tree. The most important factor should determine where the bud should be placed. It is well to place the bud on the shady side of the stock, if possible. Should the locality be subject to strong prevailing winds, the bud should stand more wind if placed on the side of the stock toward the wind. A T-shaped incision is made in the bark and the corners of the bark below the transverse cut raised to facilitate starting the bud. The bud is then cut from the bud-stick

"I have been in the orchard business for twenty years. My short stay at the O. A. C. has been of great value to me."

Signed B. Leis, Beaverton, Oregon.

Oregon Agricultural College: "I cannot speak too highly of your common sense methods of dealing out practical knowledge to the farmers of the state."

Signed H. A. West, Oswego, Oregon.

FOR SALE—100 ACRES

Or any portion thereof, of choice apple grove, located in Apple Valley, forty miles east of Redlands, California. Elevation 2,800 feet; dry, crisp atmosphere and ideal soil conditions; an irrigated proposition; abundance of water; age of trees, 2, 3, 4 and 5 years; price, according to age, from \$300 to \$1,000 per acre, or will sell the whole grove as an entirety for \$70,000.

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Complete stock of leading varieties of Apples, Pears, etc.

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All Varieties

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We call special attention to this new prune, a cross between the Tragedy and Sugar Prune. Best for drying and shipping. Every grower should include it in his order.

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BETTER TREES MEANS BETTER FRUIT

Nursery stock grown under careful supervision means

GREAT ADVANTAGES TO THE PLANTER

Twenty years of practical experience in the orchard, as well as the nursery business, means that we know how to grow trees that will give results. Henry Holterman, of Creswell, Oregon, says of our stock: "Of the 1,800 apple trees purchased of you last spring, we did not lose one tree. The orchard is the best, for the time being planted, of anything in this vicinity. Sold for \$300 per acre in less than six months after being planted."

Let us figure on your want list. Our prices are right. A special discount on cherry trees for a limited time—15 to 20 per cent, according to grade and quantity.

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Our trees grafted on the *Eastern black walnut stock*, are hardier and better for the Northwest as well as for Eastern planting. Write for price list and other information.

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TREES in Quantity, Price and Quality

Growers and importers of a full line of all nursery stocks—apples, pears, prunes, cherries, peaches, etc. Large or small orders—we fill all. Just drop us a few lines giving your list of wants, and receive offers which we know will interest you. Have always given satisfaction and can do so now.

We want to get in touch with planters.

CARLTON NURSERY CO.
Carlton, Oregon

by starting the knife half an inch below the bud, cutting under and to about the same distance above the bud. This gives a long bud, which is especially desirable in our dry climate. In cutting under the bud, the knife should be run deep enough to leave a small shield of wood. Figure 7 will show the various steps in the process of shield budding. A simpler method of lifting the bud, at least for the beginner, is to start the knife as before and cut sharply into the wood to about one-third the diameter of the stick and then upward under the bud, making a tongue about an inch long. The knife is then run across the tongue half an inch above the bud, cutting through and lifting the bark at this point. The bud is then grasped between the thumb and first finger and lifted, leaving the wood on the stick, as shown in the same figure. While the removal of the wood from under the bud is no particular advantage, the method is simpler and gives the inexperienced budder a larger per cent of good buds. The writer has lifted thousands of buds in this manner with the best of success. It is difficult to cut buds in this way from some varieties of cherry and plum trees with thin bark, but it works well on the apple, pear, peach, apricot and the heavy-barked plum. The bud is then slipped into place, as shown in the figure, and well wrapped with raffia or soft wrapping twine. About four wraps below and three above, so spaced as to close the whole opening, is sufficient. In wrapping, the common practice is to start below, and by crossing over the first end and running the last end under, the bud is wrapped without a knot. The tying material is usually cut in the desired lengths beforehand, and if raffia is used, it should be kept moist, as it ties better.

If on healthy young wood, the buds will unite within ten days or two weeks. Then the wrapping should be cut by

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Large orders at special prices

The Quality of our Plants is the Best

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Two ranches, 160 acres each, under irrigation ditch in Okanogan County, Washington. All choice fruit land. Terms and particulars of A. M. Dewey, 518 Paulsen Building, Spokane, Washington.

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A commercial orchard is a good income producer while you live, the best real estate agent you ever had when you are ready to sell, and a valuable asset to leave to your widow and orphans when you have reached the end of life's journey.

If an old reliable nursery is of any specific importance to the prospective planter, we kindly ask you to consider with us before buying your trees.

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12 APPLE TREES \$1.00

By mail postpaid. We have all the leading varieties. If not perfectly satisfied with the trees, your money cheerfully refunded. Send for prices on nursery stock. Parker Nurseries, Fayetteville, Arkansas.

Quality and Quantity Leave no Question as to Quotation

On our complete line of

FRUIT TREES
ORNAMENTAL TREES
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Salesmen wanted

Capital City Nursery Company
Salem, Oregon

drawing a knife across it on the side of the stock opposite the bud. Should the stock be making a slow growth, there need be no hurry about cutting the tie. The only thing to be guarded against is that the wrap does not cut into the bark. This pressure interferes with the flow of sap and tends to throw the bud into premature growth; this often means a loss of the September bud. The bud set in August and September should remain dormant over winter. The following spring, just as soon as the buds on the top of the stock begin to push out, the original top of the stock is cut away. Should the stock be cut off too early in the spring, or too close, there is danger of the stub drying out to the injury of the bud. Some recommend the practice of leaving a longer stub to which the young growing shoot from the bud may be tied until it is well established. This saves some buds from being blown out, but necessitates a second cutting in mid-summer to allow the stub to heal over.

We have said that buds for fall budding should be taken from the current year's growth. The common practice is to cut the terminal growth from bearing trees. The leaves are trimmed off at once, leaving a small part of the leaf-stalk to handle the bud by. Bud-sticks trimmed in this way may be stored in a cool, damp place and kept for some time without injury. The leaf-stalks, however, will loosen and drop off in many cases if stored over ten days. Of course this does no harm, but some bud-ders miss the little handle in inserting the bud. The first few buds at the base of the stick are generally poorly developed and should be discarded, while those near the tip are too immature to be used. As a rule not over half of the new growth cut in early September will carry buds suitable for budding. The sticks should be carried in a damp cloth to avoid drying out.

◆ ◆ ◆
"The college staff of the Oregon Agricultural College do all in their power to give the students the greatest amount of practical information in the shortest possible time."

Signed David Gellatly, Gellatly, B. C.

◆ ◆ ◆
Don't waste your own good years trying to solve problems that other men have already solved. Think it over. Attend the Winter Short Course at the Oregon Agricultural College, January 3 to February 17.

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Burkhart Blackcap Roots for Sale

Send your orders now for spring delivery. 10,000 lot, \$22.50 per M.; 5,000 lot, \$25.00 per M.; 3,000 lot, \$27.50 per M.; 1,000 lot, \$30.00 per M.

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Editor Better Fruit:

Enclosed please find check to cover our advertisement for the month of December. We wish to say at this time that we have received more beneficial results from our advertising in "Better Fruit" than all other mediums combined, and we have used not a few. Enclosed please find copy for the next issue.—Yours very truly, Oregon Apple Orchards Co., Portland.

Editor Better Fruit:

Enclosed please find draft for \$1.00 to pay my subscription for "Better Fruit" another year. I want to congratulate you on the success you have made with your paper, each issue we are able to get something that well repays us for our investment in your paper.

Wishing you the success you merit, I am, yours very truly, H. H. Younger, Palisade, Colorado.

GERMAN NURSERIES' SPECIAL OFFERS

I established the German Nurseries and Seed House 25 years ago. Steady growth of business—thousands of satisfied customers in every part of the country—testify to the success of the modest start I made in 1886. I will celebrate this anniversary with some special offers of

TREES AND SEEDS THAT GROW.

Especially fine, complete line of fruit trees, Western varieties; berry bushes, grape vines, bulbs, seeds for the farm, the vegetable and flower garden. Write today for beautiful new 136-page Anniversary Catalogue, free, showing Anniversary Collections at saving prices.

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These are all good, clean, strong, exceptionally well-rooted one-year-old trees. All budded or grafted from the best bearing trees in the Wenatchee Valley. Will be pleased to book your order for what you will need for spring planting.

Winesap, 8,340	W. W. Pearmain, 145
Rome Beauty, 2,800	Winter Banana, 695
Delicious, 5,500	Yellow Newtown, 160
Jonathan, 4,120	McIntosh Red, 385
Stay Winesap, 2,000	Y. Transparent, 50
Grimes' Golden, 530	Spitzenberg, 3,830
Champion, 625	King David, 550
Ben Davis, 250	Carolina Poplar, 200
Transcendent, 85	Bartlett Pear, 2-year, 800

We also have the following scions cut from bearing trees in the Wenatchee Valley in our cellar to offer, which can be shipped on short notice.

15,000	Delicious Scions	10,000	Winesap Scions
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Located in the Wenatchee Valley

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SEEDS

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Offers for fall 1910 a complete line of nursery stock, including all the leading commercial varieties adapted to the Northwest. Our trees are all grown on the best whole roots and all buds and scions used are selected from bearing and tested trees, which insures not only early bearing, but trees true to name.

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Some choice tracts in one to three-year-old orchard.

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Signed John Ellis, Ft. Klamath.

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Choice ten-acre tracts Okanogan fruit land. First-class upper bench, near government canal; 1,280 feet altitude. Well water in gravel, thirty feet, pure. Planted to yearling apple trees; best red winter commercial varieties; also tracts not planted. Ready to irrigate. Great Northern Railroad now building in Okanogan Valley. Prices and terms right.

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Epley, Wash. Okanogan County

THE GOLDEN STREAM.—A very commendable little booklet of 68 pages, called the "The Golden Stream," has been recently issued by the International Harvester Company of America. This booklet covers a multitude of vital facts relative to the plain, ordinary, every-day cow in a very interesting manner. Such up-to-date topics as "The Dual Purpose Cow," "Bovine Tuberculosis," "How to Make a Babcock Test," "Rations for Dairy Cows," "The Feeding Value of Silage," and "Advantages of Dairy Farming," etc., etc., are discussed. In general, the purpose of the book is to impress the farmer with the proper relation of the cow to our modern civilization as the source of a golden stream of wealth. Numerous illustrations throughout the booklet showing record-making cows and herds of various milking breeds, silos, dairy barns and interiors, etc., greatly enhance the value of the booklet. It will be greatly appreciated, especially by farmers and dairymen. A copy of the booklet may be obtained by writing the company or any one of the various I. H. C. branch houses.

◆ ◆ ◆

FRUIT GROWING IN ARID REGIONS.—Edited by Paddock and Whipple and published by D. McMillan & Co., is one of the best books on horticulture in arid regions that we have seen to date. It was written by Professor Paddock and Professor Whipple, and is a result of their work and observation while connected with the Experiment Station in Colorado, where they had splendid opportunities in the orchards on the Western slope to get at the practical side of fruit growing; and when we say their book is practical we have paid it the highest compliment in our power in the horticulture world. Professors Paddock and Whipple have a standing which commands the respect of everyone, and both are men of recognized ability in the fruit world. Fruit growers will find this an excellent text book; in fact it is interesting reading for any fruit grower. The book can be obtained by writing McMillan & Co., 64 Fifth Avenue, New York City.

◆ ◆ ◆

EVERY FRUIT GROWER in the Northwest, and every man or woman intending to plant an orchard tract this winter and spring, should not fail to become a subscriber to that superb publication, "Better Fruit," published at Hood River, Oregon. Without any question "Better Fruit" is the best and most carefully edited publication of its sort in the world. It is distinctively Western, and the editor, E. H. Shepherd, has been growing fruit in Oregon for upwards of twenty years, and he knows just what problems and perplexities every fruit grower must encounter and overcome. "Better Fruit" is always splendidly illustrated, and from the printer's viewpoint is a work of art. Every issue is brimful of instruction and helpful suggestions for the orchardist, and a subscription to the magazine will be the means of saving you much time, money and annoyance. Send for it at once. The December number is a hummer. Send \$1 to Better Fruit Publishing Company, Hood River, Oregon, and get the publication at once. Or, if it pleases you, leave your order with The News and we will order "Better Fruit" for you. In either case, *do it now.*—Roseburg News.

◆ ◆ ◆

CALENDARS FOR 1911.—For 1911 the International Harvester Company of America has gotten out a set of very attractive calendars, directing attention to the well known lines of harvesting machines—Champion, Deering, McCormick, Milwaukee, Osborne and Plano. These calendars are beautifully lithographed in colors, and are 20x13¼ inches in size. The scenes depicted on these calendars include: "The Hunting Camp," with the successful rifleman, who is bringing in a deer; "The Days of '49," when the prairie schooner was a familiar sight west of the Missouri River; "The Prospectors," in search of the elusive gold; "Grandmother Sewing on a Button;" "The Children Playing With Ties on the Beach," and "The Summer Girl With Her Parasol." Any one of these calendars would be a decidedly appropriate ornament for the home, and we suggest that you write or call on your local dealer and ask him for an I. H. C. calendar.

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The Most Productive The Most Delicious
The King of all Strawberries

Plants for Sale Now

Send Postal for History, Description and Prices

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PEACHES—CHERRIES—DWARF PEARS

A fine stock of all standard varieties of Apples, Fruit and Ornamental Trees, suited for the Northwest.

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Their new work, Progressive Horticulture, fully illustrated, describes trees of quality in the making

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A progressive and up-to-date nursery. A full line of fruit and ornamental trees. Growers of fine nursery stock. Varieties of special merit. Careful and reliable attention given to filling every order with first-class trees and plants. Satisfaction guaranteed. Nursery at Russellville, suburb of Portland. Take Montavilla car. Nursery one mile east of terminus.

FRUIT GROWERS, YOUR ATTENTION!

Royal Anne, Bing and Lambert cherry trees; Spitzenberg and Newtown apple trees; Bartlett, Anjou and Comice pears, and other varieties of fruit trees.

A. HOLADAY

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Montana Fruit Growers

AND OTHERS OF HIGH ALTITUDE

WE are now ready to book your orders for fall and spring delivery of McIntosh Red and Wageners. For Northwest fruit growers in general, a full stock of all standard varieties—Spitzenbergs, Jonathans, Winesaps, Rome Beauties, etc., and all other kinds of fruit trees and shrubbery.

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The dependability of Malthoid Roofing has been proven by special tests covering a period of many years.

Malthoid will last as long as the building it covers. It is inexpensive, easy to lay, and your roof troubles are over when Malthoid is laid.

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San Francisco and Everywhere

Stewart Hardware & Furniture Co., Agents, Hood River, Oregon

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Send for it. A new and valuable book on

Cheerful Homes

This booklet is illustrated with pictures of the most beautiful bungalows of Southern California

THE Sunnyside Nursery Company

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Our spring sale is pretty heavy, but we can still supply you with the following staple varieties:

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Delicious, Grimes' Golden, Jonathan, Rome Beauty, Spitzenberg, Winesap; also many other varieties suitable for home orchard planting.

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Bing, Centennial, Early Richmond, Lambert, Late Duke, Olivet, Royal Ann, and others.

PRUNES AND PLUMS

Practically all varieties.

PEACHES

Carman, Early and Late Crawford, Elberta, Lovell, Muir, Phillips' Cling, etc.

We also have many other varieties not mentioned above, besides a complete line of berries and ornamentals. Better send for our catalog today. It's free. In it you will doubtless find just what you want.

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Seeds

THE KIND YOU CAN'T KEEP IN THE GROUND

They grow, and are true to name.
Write for prices on your wants.

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Poultry Supplies, Spray, Spray Materials, Fruit Trees, Etc.



**RHODES DOUBLE CUT
PRUNING SHEAR**

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**RHODES MFG. CO.,
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THE only
pruner
made that cuts
from both sides of
the limb and does not
bruise the bark. Made in
all styles and sizes. We
pay Express charges
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Write for
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There is more doing in the West today in the way of progress and development than in any other section of the United States. If you are interested and want further information about opportunities and resources of a vast new empire, use the coupon.

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Find enclosed 25 cents, for which please send me three recent numbers containing articles about resources and opportunities in the West.

Name.....

BF Address.....

"If every farmer, fruit grower and stockman in the state would attend the Short Course of the Oregon Agricultural College and then put into practice what he could learn, it would add millions in money to the state as well as increase immensely home comfort and better living on the farm." Signed G. A. Lawson, Shedd, Oregon.



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Originator of the
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BALLYGREEN SYSTEM OF PEDIGREE TREES

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Combines the best practices of horticulture with honest, efficient business methods, insures the fruit grower, making it certain that he will get the kind of trees he orders and a very high quality of fruit when the trees bear.

BALLYGREEN NURSERIES

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Ballygreen Nurseries

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Has to offer for Spring Delivery, 1911,
as complete a line of Nursery Stock
as can be found in the Northwest

All stock propagated from selected bearing trees.

Experts all over the Pacific Northwest realize that no other nursery exercises greater care than we do, and that

No more reliable stock is grown than we produce.

For fall delivery 1911, and spring delivery 1912, we shall have to offer for the first time the

RED GRAVENSTEIN

The New Apple Sensation

Will tell you more about this wonderful apple, which is purely a fortunate accident of nature, later on.

THE VINELAND NURSERIES CO. CLARKSTON WASHINGTON

Owners of The Hanford Nurseries

MOUNT ARBOR NURSERIES

E. S. WELCH, PROPRIETOR

133 CENTER STREET, SHENANDOAH, IOWA

A Full Line of General Nursery Stock

Apple Seedlings—A surplus of heavy branched roots.

Apple Grafts—Piece and whole root made to order.

Apple—2 to 3, 3 to 4 and 4 to 5 feet.

Cherry Trees—One-year Bing, Lambert, Royal Ann.

Peaches

Currants

Concord Grapes

Blackberries

California Privet

Roses—Splendid stock Hybrid, Perpetual, Moss, Rambler, Climbing.

ORNAMENTAL TREES, SHRUBS, VINES
AND FOREST TREE SEEDLINGS

You Want the Best? WE HAVE IT IN TREES

They have the highest possible developed root system. It's the root which counts

Mr. Buyer:

No matter what quantity you may require, let us figure with you on your wants for this season, or send for our price list, and if you entrust your order with us we feel certain of retaining you as a permanent customer.

You will get what you order

Yakima and Columbia River Nursery Co.

North Yakima, Washington

*Growers of
Selected Yakima Valley Fruit and Ornamental Nursery Stock*

"NONE BETTER"

Salesmen — A few wanted. Write for terms



Do Not Buy Arsenate of Lead on Arsenic Contents Alone

As the name implies, Arsenate of Lead is a chemical combination of Lead and Arsenic, and the Lead has an important function in this combination.

It acts as a binder, holding the Arsenic on the foliage, destroying not only the insects on the foliage at the time the poison is applied, but those that put in their appearance later.

It forms a strong chemical union with Arsenic, reducing to the minimum soluble arsenic, which causes foliage injury. When used according to directions it will not injure the most delicate foliage.

GRASSELLI ARSENATE OF LEAD PASTE contains 15 per cent Arsenic Oxide, enough poison to kill, and about 40 per cent Lead Oxide, the maximum amount consistent with good mixing properties.

It complies in all respects with the most rigid requirements of federal and state laws governing the manufacture and sale of Insecticides.

Grasselli Arsenate of Lead

Kills all Leaf Eating Insects
Sticks to the Foliage
Does not Injure the Foliage
Mixes readily with Water

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Wenatchee Produce Co., Wenatchee, Washington
Inland Seed Co., Spokane, Washington
Hardie Manufacturing Co., Portland, Oregon
Samuel Loney & Co., Walla Walla, Washington
Missoula Drug Co., Missoula, Montana
Western Hardware & Implement Co., Lewiston, Idaho
Hood River Apple Growers' Union, Hood River, Oregon
Carlson-Lusk Hardware Co., Boise, Idaho
Darrow Bros. Seed & Supply Co., Twin Falls, Idaho
Rogue River Fruit and Produce Ass'n, Medford, Oregon
And in all consuming districts

WRITE THE ABOVE, OR OUR ST. PAUL OFFICE FOR
NEAREST DISTRIBUTER

The Grasselli Chemical Co.

Established 1839

Main Office, Cleveland, Ohio

H. N. LYON, Northwestern Representative
505 Concord Building, Portland, Oregon

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Chicago, Ill., 2235 Union Court
New York City, 60 Wall Street
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KELLY'S TREES ARE TRUE TO NAME

2,000,000 TREES 2,000,000

For fall and spring planting. 350,000 Winesap, 350,000 Jonathan, 200,000 Rome Beauty, 100,000 Delicious and all other leading varieties in Peach, Pear, Plum and Cherry

Before Placing Your Order Write to

Tim Kelly, Proprietor Wapato Nursery, Box 197, Wapato, Washington



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We have installed the only etching machines in the State of Oregon

Blast etched cuts have a printing quality which has never before been obtainable with process engraved plates

THEY COST THE SAME AS THE OTHER KIND

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Edited by Clyde A. Morrison

The leading publication of its kind in the world for the investor, home-seeker, farmer, irrigation companies and agents. Covers the entire subject. Printed on the best grade of paper, with highly embellished cover printed in gold and colors, and a three-color process picture every month illustrative of successful irrigation. Special articles by authorities on irrigation

Published Monthly

One Dollar a Year

NATIONAL IRRIGATION JOURNAL

First National Bank Building, Chicago

A WARNING!!

"Probably the most important lesson that the orchardists of the Northwest have yet to learn is that cheap nursery trees are an exceedingly dangerous foundation on which to start an orchard—that a few cents economy on such trees at the start is many many dollars' loss in the long run."

Thus spoke one of America's greatest horticulturists on a recent visit to the Northwest. It is a warning that is well merited, for one can visit scarcely any of the newer fruit sections without being appalled by the number of weak, sickly, undersized young trees that stand as incontrovertible proof of his warning.

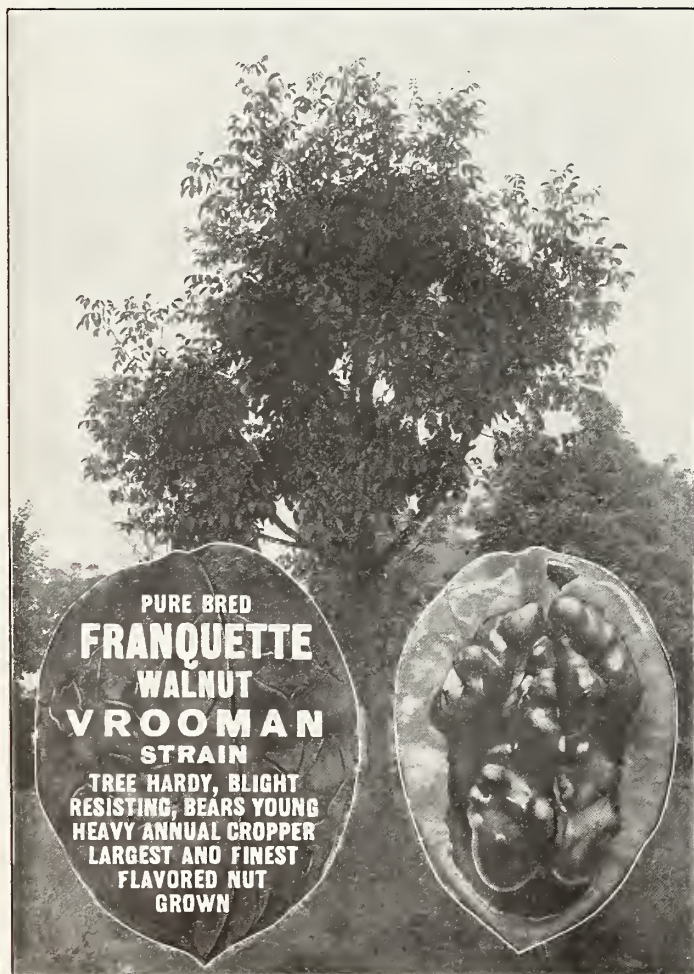
Any man who will plant anything but the strongest, most vigorous, healthiest trees—of **known** ancestry—trees whose breeding for generations past insure prolific bearing and disease resisting qualities is bequeathing a legacy of trouble to posterity. The first cost of a fruit tree is an insignificant cost, but the quality and pedigree of that tree is a powerful, **perpetual** factor to your success and those after you.

All of the nursery trees—apple stocks—of the **Hood River Standard Nursery Co.** have three-year-old root systems, with one-year straight tops—big, strong, healthy, vigorous trees that **will grow** when properly planted, and which will bear from one to three years earlier than the so-called "yearling" tree so promiscuously peddled about, and they will cost you little, if any, more. They are all propagated from the highest earning and best trees of the world famous **Hood River Valley**—trees whose ancestry and past performance is a matter of careful record. They are in every sense a **thoroughbred**, pedigreed apple tree.

For the season of 1910-11 we can offer a limited amount of extra size apple only. Write for catalog and price list.

HOOD RIVER STANDARD NURSERY CO.

HOOD RIVER, OREGON



This view illustrates a black walnut tree, top grafted with the famous Vrooman Pure Strain Franquette.

The hardest, most prolific, with the richest meat of any walnut grown.

The walnut of all walnuts. Ask for descriptive catalogue.

Apples—Peaches

If you could see our yearling apple and peach trees, the kind with a three-year-old root, you'd be proud to have them growing on your land.

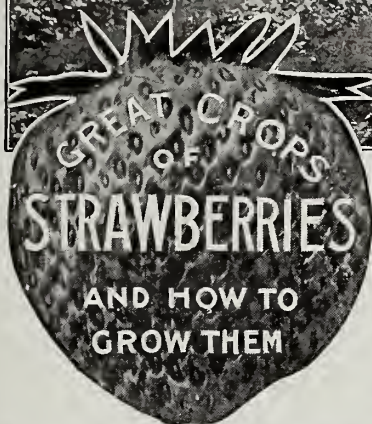
If you are needing any **NEWTOWNS, SPITZENBERGS, JONATHANS, BALDWINS, WINESAPS, GRIMES GOLDEN, ORENCO, ROME BEAUTIES**, or **PEACHES**, such as Early Crawford, Late Crawford, Elberta, Early Charlotte, Muir, Lovells or scores of other good varieties, let us know and we'll furnish you trees you'll be pleased with and be proud of.

Our prices are really low, considering the high grade of trees we give you. Remember, Orenco trees are non-irrigated.

Oregon Nursery Co.

How'd you like to sell Orenco trees?
Write for terms.

Orenco, Oregon



Our New Free Book Tells How. Send For It Today.



Your Big Money is in Growing Strawberries

No matter where you live or what kind of soil you have, Kellogg's Way will more than double your profits growing Big Red Strawberries right between your rows of young fruit trees, if you have no other place. You can do it easily. Let us tell you how—we've got it all explained in a nut shell—in our handsomely illustrated 64-page book entitled **"Great Crops of Strawberries and How to Grow Them"**

It explains why the Kellogg Way of growing big crops of Strawberries is the sure and easy way. Tells how to prepare your soil; what varieties to set; how to care for the plants to get best results; how to market the fruit. Many fruit growers are now making a net profit of \$500 to \$800 or acre each year while waiting for young trees to come into bearing. Besides all this, the cultivating of the plants produces a healthy and more vigorous growth in the trees just what the trees require. Whether you have ever thought of growing strawberries or not, it is just the book that should be read by

Every Fruit Grower and Farmer

What others are doing you can do right in your own soil. C. Harder, Twin Falls, Idaho, is making as high as \$1000 per acre each season growing strawberries between the rows of his young trees. Why don't you? It will more than double your income.

Kellogg's Thoroughbred Plants

The only strain of plants that are propagated from mother plants of high fruiting power. That's why the Kellogg Strain of Thoroughbreds is so productive and bears such enormous crops of big red berries. They have a record of 15,000 quarts per acre. Large yields are often reported grown in young orchards. If you want to make some easy money, get our 1911 book. IT'S FREE.

R. M. KELLOGG COMPANY,

Box 355

Three Rivers, Michigan

Editor Better Fruit:

Realizing the most excellent standing of your publication and its wide circulation among the intelligent and progressive growers of fruit, I solicit space sufficient to call the attention of the fruit industry to some matters of very great importance, at least they so appear to me.

During the season 1910, as manager of the Puyallup and Sumner Fruit Growers' Association, I shipped out of the Puyallup Valley about 185 carloads of red raspberries and blackberries, part of which were marketed in Canada. Every crate of berries that was marketed in Canada was subject to a duty of fifty cents, or two cents a pound. The transportation on each crate of these berries was in the neighborhood of seventy-five cents, therefore the fixed charges after the berries left the Puyallup Valley were \$1.25 per crate without any commission to the brokers. This will explain that the consumption of our fruit would, of necessity, be curtailed on account of the high price it must be sold at in order to give the grower any return. I can understand of no

reason why the good people of Canada would not desire to buy their berries fifty cents per crate cheaper than they are now buying them. I am sure that the Puyallup and Sumner fruit growers would be pleased to have this duty removed for the selfish reason that their friends in Canada would naturally consume more berries if they could buy them cheaper. What applies to the growers of raspberries and blackberries applies equally to the growers of all deciduous fruits in the three states of Oregon, Idaho and Washington. If it is to the advantage of the raspberry and blackberry growers to have the tariff removed, it is to the same advantage to growers of all other classes of fruit; it is of equal importance to the transportation lines for the good reason that if we can now market in Canada 10,000 crates of berries per year under a tariff of fifty cents per crate, we could probably double the consumption several times if there was no tariff.

I can understand of no harm to either the producer or the consumer should this tariff be wiped out. If this is true, why should it not be advisable for every grower, every shipper, every commercial organization and all other interested parties to take this matter up with their members of Congress with a view of getting the fruit tariff removed.

There is now a commission acting in behalf of the United States and Canada, who have this subject under consideration. By a combined effort we can point out to this commission the advisability of the change in the tariff suggested herein.

There is another reason why the Northwestern states mentioned should be interested in this matter. We have a barrier on the west in the Pacific Ocean. We have a barrier on the north in the Canadian line. If Washington, Idaho and Oregon expect to be successful states they must find a market for some part of their products in foreign territory, meaning other states than our

own. Of necessity we are compelled to send considerable of our money to other states to get articles for our use that we do not produce at home. In order to have money to do this we must, of necessity, market in other states a percentage of that which we produce in order to have the money to purchase that which we do not produce. There is a day coming when our timber will not enable us to bring in all the money we will require. Before that time arrives we should endeavor to establish our business relations and business conditions in such manner as will enable us to be a success. I believe that one of the things we should do is to endeavor to remove the barrier north of us, which will enable us to get into a fast growing country that will always be a consumer of more fruits and vegetables than they will produce.

We must also find a market for our cheaper products of fruit and vegetables which can only be marketed in cans; but this is another story, which I will be glad to ask you to find space for at another time. Very respectfully, W. H. Paulhamus, Puyallup, Washington.

J. F. LITTOOY

CONSULTING HORTICULTURIST

Orchard director, orchard schemes examined, orchard plans submitted, orchard soils and sites selected, nurseries visited and stock selected, values examined for farm loans, purchasing agent for land and orchard investments, acts as power of attorney in selection of Carey Act lands.

MOUNTAIN HOME, IDAHO

WHEN WRITING ADVERTISERS MENTION BETTER FRUIT

Grow the Loganberry

One of the most prolific and profitable berries grown. Plants at \$10.00 per M.

ASPINWALL BROS.
BROOKS, OREGON

WHEN WRITING ADVERTISERS MENTION BETTER FRUIT

The Stark Year Book

For 1911

VOLUME II of The Stark Year Book (published annually) is nearing completion and will be ready for mailing January 15. Because of the limited edition and its high cost, copies will be sent only to those who apply for it on the coupon printed elsewhere on this page.

The Stark Year Book for 1911 is best described briefly—it is an encyclopedia of latest horticultural information, fully illustrated both in color and in black.

While issued in our interests and the nursery products grown by us, The Stark Year Book covers a greater field and is much wider in scope than the ordinary nurseryman's catalogue, since it deals with the subject of horticulture from the viewpoint of those who are engaged in fruit-growing commercially or for home orchard purposes.

Within its covers are twenty-three full page illustrations of fruits and flowers in natural color, representing one hundred and thirteen varieties and covering apple, cherry, pear, peach, plum, grape, small fruits, and roses.

Eighty pages are devoted to descriptions, records of varieties, and the opinions of the country's most successful orchardists and scientific horticulturists. These eighty pages are profusely illustrated from photographs having a direct bearing on the subject matter.

Practical information covering the many problems of tree culture and orchard care is scattered throughout the pages of this book—information representing the meat of the experience and research work of the country's most successful orchardists and best known horticulturists. This feature of The Stark Year Book may be considered authoritative, and accepted as a safe guide.

Stark Bro's Nurseries & Orchards Co.

Louisiana, Missouri, U. S. A.

Gentlemen—Kindly forward me Volume II of the Stark Year Book, for which I enclose 10 cents in stamps to pay postage.

Name

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County....., State.....

I expect to plant.....trees about.....
(Number) (Fill in date)

The planting will be done at.....
(Give location, bath town and state)

Anyone interested in fruit or flower culture will find Volume II. of the Stark Year Book of inestimable value; a book to be kept for frequent reference, and one that will adorn the library table of any home. Those persons possessing a copy of Volume I. (1910) should not fail to apply immediately for Volume II. that their file may be kept complete.

The Stark Year Book for 1911 will be sent to any interested person on receipt of the coupon properly filled in. Postage, 10 cents.

**Stark Bro's
Nurseries & Orchards Co.**

Louisiana, Missouri

Columbia and Okanogan Nursery Company

Wenatchee, Washington

PROPAGATORS AND GROWERS OF

The Cleanest, Thriftiest, Best Rooted Nursery Stock in the
WORLD

WHOLESALE AND RETAIL

SEND US YOUR ORDER

Supplying Large Commercial Orchards a Specialty

QUAKER NURSERIES

We have a large stock of YELLOW NEWTOWN PIPPINS, SPITZENBERGS, JONATHANS, WAGENERS, ROME BEAUTIES, and all of the leading varieties of apples.

We also carry a heavy line of BARTLETT, COMICE AND BEURRE D'ANJOU PEARS.

A general stock of peaches, such as EARLY CRAWFORDS, ELBERTAS, LATE CRAWFORDS, FOSTERS, TUSCAN CLINGS, PHILLIPS, MUIR, EARLY COLUMBIA, Etc.

Small fruits in great abundance, STRAWBERRIES, BLACKBERRIES, RASPBERRIES, DEWBERRIES, GOOSEBERRIES, CURRANTS, GRAPES.

H. B. PATTERSON, MEDFORD, OREGON,
Special Selling Agent for Southern Oregon.

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NURSERY CATALOG

New, handsome, instructive, up-to-date, describing

Fruit and Ornamental Trees, Shrubs, Vines, Roses, Berry Plants, etc.

Free on request. Write now, mentioning this paper.

J. B. PILKINGTON, Nurseryman, Portland, Oregon

Hood River Valley Nursery Company

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HOOD RIVER, OREGON

Phone 325X

Will have for fall delivery a choice lot of one-year-old budded apple trees on three-year-old roots, the very best yearlings possible to grow. Standard varieties from best selected Hood River bearing trees—Spitzenbergs, Yellow Newtowns, Ortleys, Arkansas Blacks, Gravensteins, Baldwins and Jonathans. All trees guaranteed first-class and true to name. Start your orchards right with budded trees from our nursery, four miles southwest from Hood River Station.

WILLIAM ENSCHEDE, Nurseryman

H. S. BUTTERFIELD, President

Hawkeye Tree Protectors



Give dollars worth of protection at a fraction of a cent cost. Don't take a chance with your young trees. One rabbit will kill many in a single night. Protect yours with Hawkeye, the protector that rabbits, mice and other tree gnawers can't guaw through—the protector that protects against cut worms and prevents trees becoming skinned or bruised by cultivator or lawn mower.

Hawkeye tree protectors are elm veneer chemically treated. They are easily applied to the trees and will last until the tree is beyond the need of protection.

The value of one tree is more than all the Hawkeye tree protectors you need will cost you. Send us your order before some of your trees are killed—you'll regret it if you wait until too late.

Price in lots of 100.....1 cent apiece
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Burlington Basket Company
118 Main Street, Burlington, Iowa

G. M. WESTLAND, Wenatchee, Wash.
State Agent for Washington.

Wanted—One Prominent Nurseryman
To act as exclusive agent in each state of the Union. To such we will make prices and terms that will make the Hawkeye Tree Protector a profitable proposition. Our agents' names will appear in our ads. in all the prominent fruit growers' papers. There is money in it for you. Write us at once. Burlington Basket Co., Burlington, Iowa.

CLARK'S CUTAWAY TOOLS

LESS WORK

Drawn by two medium horses.
Will cut 28 by 30 acres or double-cut 15 acres in a day.

Will move 15,000 tons of earth one foot in a day.

Runs true in line of draft and keeps the surface true. All other Disk Harrows have to run in the half lap.

Has improved reinforced main frame, and improved standards.

Don't be deceived by poor imitations or infringements.

There's only one original Cutaway" and it's Clark's.

Saves time. Saves labor.
Saves money.

BIG CROPS

Crops increased 25% to 50%.
Better Grain, better Hay, better Fruit.

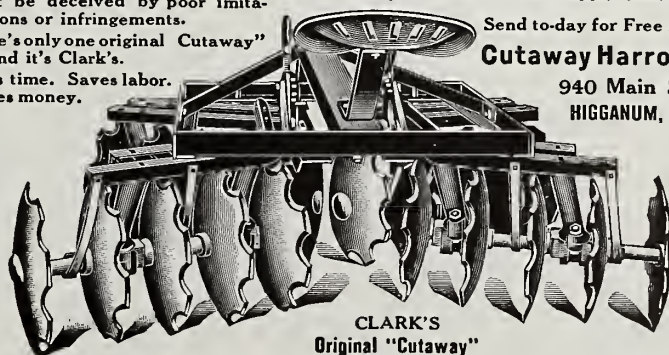
Takes place of Plow and Harrow.
Jointed Pole takes all the weight off the horses' necks.

We make 120 sizes and styles of Disk Tools.
Every machine fully warranted.

Thousands in use and giving satisfaction.
If your dealer won't supply you, we will.

Send to-day for Free Booklet.
Cutaway Harrow Co.

940 Main Street
HIGGANUM, CONN.



CLARK'S
Original "Cutaway"

Mitchell, Lewis & Staver Co., Western Agents, Portland, Oregon



Simplex Self-Balancing Link Blade Cream Separators

Have you seen the 1910 Model Simplex? Note the solid, heavy frame and the convenient height of both the supply can and the crank. This machine is the result of years of experimental work and has the best features of the 1909 Separator (the Link Blade skimming device, which has been tried and proved its worth as is shown by numerous attempts to imitate, showing that other manufacturers appreciate the skimming qualities of the LINK BLADES and the self-balancing bowl), together with the new low-down supply can and extra heavy base and the ease of running.

The self-balancing feature has been on the market for about two years, and is a perfect success. It does away with the old style mechanically balanced bowl, which had to be sent to the factory to be rebalanced. The ease of running in this machine is not equalled. Note the large skimming capacities relative to prices shown in table:

No.	Capacity per hour	Price
5.....	500 lbs.	\$ 75.00
7.....	700 lbs.	80.00
9.....	900 lbs.	90.00
11.....	1,100 lbs.	100.00

MONROE & CRISSELL

General Agents

Complete Line of Dairy Machinery and Supplies

145 Front Street, Portland, Oregon



WHY PAY FREIGHT ON WATER? BUY Vreeland's Electro Arsenate of Lead IN POWDERED FORM

The most effective and economical insecticide for all leaf-eating insects. Electro is the only successful powdered Arsenate of Lead because it is the only one that mixes instantly with water in such a finely divided state that every drop of spray contains the right amount of arsenic. It cannot be washed off by rain, and will not injure the newest, tenderest foliage.

We guarantee it to contain 30 per cent arsenic oxide—50 per cent more than other brands—as proved by Connecticut and New Jersey Agricultural Experiment Station tests. Write us for them. Save the freight on water—there is 40 to 60 per cent in all pastes. Put in the water at home.

We also have the best paste on the market, and will prove it if you prefer Arsenate of Lead in this form.

Write us if your dealer cannot supply you with Electro brands. Do not accept substitutes.

CHAS. H. LILLY & CO., General Distributors, Seattle and Portland
(Agents in all principal districts)

Manufactured by VREELAND CHEMICAL CO., 50 A Church Street, New York City

guarantee of the intelligent and scrupulous handling of the fruit growers' interests.

President, R. H. Parsons (vice-president Rogue River Fruit and Produce Association), Medford, Oregon.

First vice-president, M. Horan (president North Central Washington Development League, treasurer Washington State Horticultural Society), Wenatchee, Washington.

Second vice-president, W. N. Irish (president Yakima County Horticultural Union), North Yakima, Washington.

Secretary, C. R. Dorland, Portland, Oregon.

Treasurer and general manager, W. F. Gwin (secretary and treasurer Kenmar Orchard Company), Portland, Oregon.

Directors: R. H. Parsons, M. Horan, W. N. Irish, W. F. Gwin, Hon. Fremont Wood (Judge of Third Judicial District of Idaho, president Boise Valley Fruit Growers' Association), Boise, Idaho; William M. Richards (until recently vice-president Yakima County Horticultural Union), North Yakima, Washington; A. C. Randall (president Talent Orchard Company), Talent, Oregon; H. M. Gilbert (president Richey & Gilbert Company), Toppenish, Washington; J. S. Evans.

The policies of the exchange and its entire operations are governed absolutely by the board of directors. The exchange is virtually a federation of growers, managed and controlled by the leading men in the industry. The exchange is incorporated for \$100,000, and is amply capitalized for its present requirements.

Mr. W. F. Gwin, general manager, has had wide experience in the marketing end of the fruit and vegetable business, having been associated with a number of the largest fruit distributors in the country in the capacity of sales manager; hence he has acquired an intimate knowledge of the requirements of various markets and buyers throughout the country, a most essential feature in the realizing of top values for specific grades and varieties of Northwestern fruit.

It has been proven in the fruit business that the only way to effect a wide distribution with right results is through a branch house system, under salaried managers, and right here the organizers of the exchange have discovered what is perhaps the greatest natural obstacle in the way of a really efficient marketing organization handling Northwestern fruits exclusively, for it must be remembered that our shipping season covers less than six months, the balance of the year being inactive. How to overcome this handicap without abandoning the very strong feature of the district sales office system was a "facer." However, the idea was conceived that there must be producing districts in other parts of the country, also with a limited shipping season, but opposite to our own, and that by joining hands with fruit growers in those districts sufficient non-competitive and non-conflicting business could be assured to provide steady employment for a large number of high-class salesmen, thereby providing strictly modern, permanent, efficient selling organization covering every district of the United States and Canada, without periods of idleness and without waste, in touch with the trade and its changing conditions the year around, and yet embracing the vitally important feature of economy, the different industries contributing proportionately in the support of the sales forces. The exchange

Oregon Agricultural College

WINTER SHORT COURSES

January 3 to February 17

Six weeks of intensive, practical instruction in each of the following courses:

- Agronomy
- Animal Husbandry
- Dairy Husbandry
- Poultry Husbandry
- Horticulture
- Domestic Science and Art
- Mechanic Arts
- Commerce

More than 400 men and women attended these courses last year. For further information address The Registrar, Corvallis, Oregon.

Free guide to lighter work.

The Planet Jr 1911 illustrated catalogue is a complete guide to lighter farm work, better crops, and more money. Every farmer and gardener should possess it as soon as the mail can bring it. What's the sense of drudging when you don't have to? Write today, and let this free book help you select the labor-saving implements you need.

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No. 11 Planet Jr Double-Wheel

Hoe has an important improvement for 1911—a steel-frame, making it practically indestructible. Adapted to many kinds of work. Pays for itself in a single season.

No. 4

Planet Jr Combined Hill and Drill Seeder, Wheel-Hoe, Cultivator, and Plow is a real necessity in every good garden. Can be adjusted in a moment to sow all garden seeds, hoe, cultivate, weed, and plow.



does not believe any other plan would have been found practical. The idea was followed out with entire success. District sales offices have already been established by the exchange in various parts of the country, and this list is being steadily increased to meet the requirements of the business. In addition to these district offices, a number of traveling salesmen have aggressively canvassed new territory, and the exchange has established direct trading relations with a number of buyers and markets never previously purchasers of carloads of Northwestern fruit. The exchange is equipped throughout in an up-to-date manner and its various employees are thoroughly versed in their line. As far as possible the policy of the exchange is to sell everything on a basis f. o. b. shipping point and specialize in the placing of orders in advance of shipment with the fancy fruit trade of this country and abroad.

The Northwestern Fruit Exchange, being the central selling organization of the various associations and growers' organizations of the Northwest, must depend on these organizations to perfect their methods of production, grading and packing. A proper organization at shipping point is of the most vital importance to the successful operation of the entire system.

The local associations, by giving the exchange advance information as to prospective shipments, grades, varieties, etc., will enable the exchange to place this fruit comprehensively before the entire buying trade of this country and abroad. As far as possible orders will be booked in advance of shipment. In this way the most desirable trade is reached.

The exchange takes charge of the fruit from the time it is loaded into the cars and delivered to the railroad company. If not already placed on advance orders, a description of the fruit goes out by wire from the exchange to its district sales offices, who offer the fruit for sale at a given price f. o. b. shipping point. In the case of fruit which is of desirable variety, quality, etc., there is usually no difficulty, under normal market conditions, to readily effect a sale at a price f. o. b. In the event market conditions are such as to make a satisfactory immediate sale impossible, cars are billed to the exchange at some Middle Western freight gateway, such as Minneapolis, Omaha or Chicago, and during the period of transit to that point the entire sales organization exercises its efforts in placing to the best advantage.

Throughout the entire operation it is readily seen that with an organized sales force the exchange is at all times in a position superior to that of any local company or individual lacking close touch with markets, supplies and values. Entirely unlike the old commission plan of handling the exchange handles the market situation with absolute impartiality, the sole object being the net result to the grower.

All matters pertaining to traffic, claims, or requiring legal attention are handled by a thoroughly organized department.

To keep pace with increased production, Northwestern fruit must be aggressively advertised and the consuming demand greatly broadened. The exchange is conducting and planning a vigorous campaign along this line, with special literature embodying unique and strictly modern methods of publicity. It is the firm purpose of the exchange to throw the weight of its influence towards the development of Northwestern fruits and the

Every American Planter knows that

Burpee's Seeds Grow!

BUT—do YOU know *why* they are the Best Seeds that can be grown for planting in 1911? Our address is **W. ATLEE BURPEE & CO., Burpee Buildings, Philadelphia.** Send us *your address*, and we shall mail, without cost, a copy of **THE LEADING AMERICAN SEED CATALOG FOR 1911**, a bright New Book of 174 pages that tells The Plain Truth About THE BURPEE-QUALITY SEEDS.

Book
46-B



Improved Machinery and Methods Increase Profits

Any or all of these booklets sent **FREE**
Please ask for the books by number

ALFALFA

Its Seeding, Culture and Curing, by one of the highest authorities in Kansas, the greatest Alfalfa State, is full of practical information about this new and important crop.

Get posted on this interesting subject.

A BRAND NEW ORCHARD HARROW

The **DEERE MODEL R** Orchard Harrow is making a hit with Orchardists everywhere.

Made in 4, 5 and 6-foot sizes, with or without extension frame; extreme width extended 12 feet. Shields for protecting low growing branches; double angling levers give instant control of disc gangs.

Very readily adjustable from in-throw to out-throw or visa versa. This harrow is built especially to meet the conditions in the Northwest.

You'll like the work of this harrow.

DISC HARROWS

The Disc Harrow is the most necessary tool on the farm today. The advantages of thorough discing are just beginning to be understood.

The **DEERE MODEL B** Disc Harrows control the gangs and force them into the ground by a spring pressure, thereby securing the most even and thorough penetration and cultivation.

Whether you buy a disc harrow or not this year, it will pay you to read up all the new features of the **DEERE** line of harrows and the **MODEL B** in particular.

REMEMBER, it is the only spring-pressure harrow made and spring-pressure control insures more perfect work.

BETTER HAY

If you have ten or more acres of hay you will be interested in the New Deere Hay Loader.

The Loader that lasts a lifetime; that has absolutely the lightest draft of its width; delivers the hay at the highest point; rakes absolutely clean without gathering trash; will handle the hay in swaths, windrows of any size, or bunches.

The New Deere couples automatically and unhitches from the load and has many other exclusive and valuable features. **ALL IN THE BOOK.**

FARMERS' POCKET LEDGER

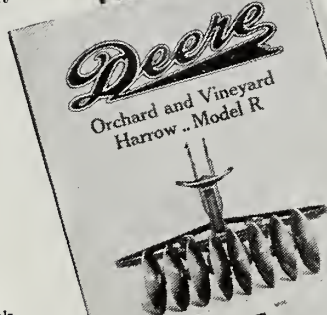
The Farmers' Pocket Ledger is a new, durable and handsome memorandum book which contains lots of practical information and has plenty of room for recording important transactions. The most popular little book of its kind.

Please ask for books by number

Address

DEERE & MANSUR CO.
Moline, Illinois

Book
46-R



Book
46-C



Book
46-D



Book
46-F



Rapid Lighter

Price \$4.00

For use in lighting smudge pots in orchard heating. Almost indispensable when fuel oil is used. It is a tremendous saving of time when time is valuable; also of material. For description, address **JOHN STEEL, Ramge Building, Omaha, Nebraska.**

UP-TO-THE-MINUTE SPRAYING SPECIALTIES.



A new Bordeaux nozzle that cannot catch on limbs and throws a clean-cut spray; no ragged edges. An angle-crook that directs spray any angle. A round-spray nozzle that throws a solid cone instead of a hollow one and hits the center, not all around it. Special introductory price to growers. Agents wanted.

CROWN SPECIALTY CO.

LOCK BOX, 297, CHICAGO

Northwest, and its spirit will ever be one of co-operation with the various institutions whose interests are of the Northwest.

The following is a list of the associations which are at the present time identified with the exchange: Ashland Fruit and Produce Association, Ashland, Oregon; The Dalles Fruit Growers' Association; Yakima County Horticultural Union, North Yakima, Washington; Cashmere Fruit Growers' Union, Cashmere, Washington; Stevens County Fruit Growers' Union, Meyers Falls, Washington; Caldwell Fruit Growers and Producers' Association, Caldwell, Idaho; Council Valley Fruit Growers' Association, Council, Idaho; Dryden Fruit Growers' Union, Dryden, Washington; Richey & Gilbert Company, Toppenish, Washington; Manville Fruit Company, Boise, Idaho; Evergreen Fruit Growers' Association, Kiesel, Washington.

Applications are being received from a number of other associations, and as the exchange principles become better known the list of membership will be largely increased.

The interdependence of the fruit growers of the Northwest must be clearly recognized, and the exchange gives the best expression of this spirit.

The independence and the distinct identity of each section is recognized and preserved. No association need be at all apprehensive on this point. The exchange fosters the organization of local associations where they are needed and desires the co-operation of those associations that already exist.

The fruit of each district is given distinct prominence according to its qualities, and is intelligently placed before the entire trade strictly on its merits.

Wanted—An Experienced Horticulturist

To take charge of a 1,000-acre apple orchard in Bitter Root Valley, Montana. Write 216 Endicott Building, St. Paul, Minnesota.

As additional membership is added to the exchange and new districts become identified with this work, it will be expected and provided that proper representation may be had in the management of its affairs.

The California Fruit Growers' Exchange is frequently cited as an illustration of what can be accomplished in the organization of a great fruit industry, and very justly so, but it must be remembered that the success of the California exchange is founded on radically different condi-

tions than those which confront us. First of all, California oranges are shipped every month in the year, which makes it possible to maintain a permanent sales organization without outside assistance. What is even more important, the California Fruit Growers' Exchange is composed of a number of highly organized units, local shipping districts being thoroughly organized and equipped and operated under competent management; the local unions in turn are centralized in sub-exchanges, which are again centralized in the

RICHARDSON Orchard Heater

Burns Perfectly crude oil, fuel oil, distillate oil or heavy residuum.

Never Fails to Burn during high winds or snow storms.

Economical Consumption of Oil, regulated according to the temperature to be controlled. Simple and effective.

The Hot Burner keeps up a continuous combustion as the oil drops, and with the oxygen of the air rushing to the burner, consumes everything and makes the greatest amount of heat and smoke possible.

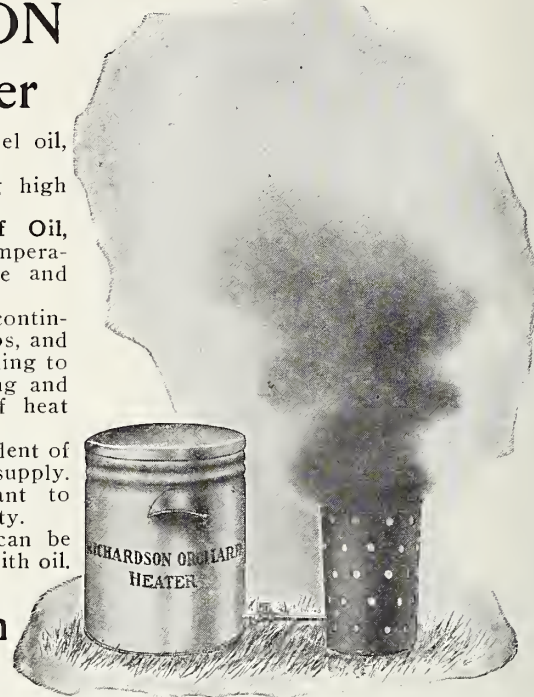
Large Oil Reservoir, independent of burner, will give a season's oil supply. Always ready. Very important to have each Heater ready for duty.

Emergency—Coal or wood can be burned alone or in connection with oil.

(Patent pending)

Geo. C. Richardson

1200 East Eleventh Street
KANSAS CITY, MISSOURI



The Deming "Victor" Power Sprayer —a New, Good Machine for 1911

This is a light, compact and powerful machine—pump and engine, combined, weigh less than 400 pounds. The engine is of the marine type—3 h.p.—and will develop 150 to 200 pounds pressure.

The pump is of the triplex type; it has three plungers, one of which is always on the down-stroke, so the discharge is always uniform—no pulsating nor "jumping" of the spray. Only a small air chamber is needed, thus avoiding useless weight. Every outfit is carefully tested.

Get Deming Nozzles for your spraying this year—we make 7 styles, of which the "Bordeaux" and "Demorel" are particularly good.

**Order Deming Outfits From Your Dealer
Handsome New Catalogue Free**

Most good hardware and implement dealers handle Deming Spray Pumps and Nozzles, or will get them for you. Apply to yours; if he doesn't carry them, write to us, and we will tell you where you can buy, or will supply you direct. But be sure to get Deming outfits—the best and one of the oldest and most widely used lines of Spray Pumps in the field. Our handsome new Catalogue free at your dealer's or on request.

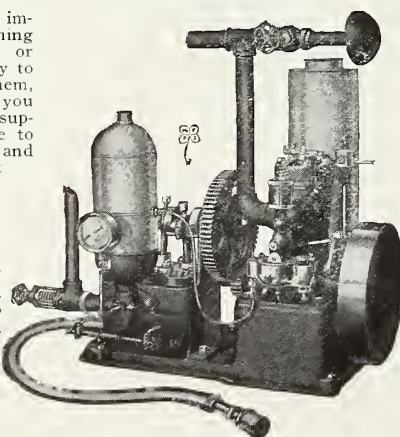
First prizes were awarded Deming "Century" Barrel Spray Pump, and Deming "Bordeaux" and "Simplex" Nozzles, at National Horticultural Congress, Council Bluffs, Iowa, November 10 to 19, 1910.

CRANE CO.

Pacific Coast Agents
Portland, Seattle, Spokane, San Francisco

THE DEMING COMPANY, Manufacturers of Pumps for All Uses

870 Depot Street, Salem, Ohio
Distributing Agencies in Principal Cities



HEMINGWAY'S Arsenate of Lead

A PERFECT PRODUCT
PROPERLY PACKED
HONESTLY PRICED

Guaranteed to meet the requirements of the various
State Agricultural Authorities

HEMINGWAY'S PURE LEAD ARSENATE is guaranteed to show the following analysis:

Arsenic oxide	15%
Lead oxide, about	32%
Soluble arsenic, under	1½%

It is free from acetic acid, inert matter and other impurities.

For Coast prices and supplies address the agents:

KERR, GIFFORD & CO.
PORTLAND, OREGON

California Fruit Growers' Exchange. The whole industry has been standardized as to grade and pack. In all of these things we in the Northwest are, with certain exceptions, woefully lacking. There are a few well organized local associations, and these few have reaped in success the full measure of their careful labors, but to a great degree our industry is unorganized, and tremendous losses in values obtained for our products are the inevitable yearly harvest of our negligence. These losses are not altogether due to lack of marketing facilities either. They are frequently due to careless or ignorant grading and packing, and to the unfortunate lack of a uniform standard of grade under which the fruit could be accurately and intelligently described to the absent buyer.

There is, then, need of clear vision. Let us not become hysterical, our vision clouded and our mind obsessed with the idea that the marketing organization will become the panacea for all our ills. Let us look our weaknesses squarely in the face and build from the ground up. Let us organize every important local district thoroughly, standardize the grade and pack of the entire Northwest, maintain our grades as we maintain our religion, and provide the necessary facilities for placing ourselves in a position whereby we can control the markets, rather than have the markets control us. While it is true that values are based on the immutable law of supply and demand, it is also true that by regulation of the supply the demand can be stimulated and controlled, thereby avoiding wild fluctuations, and maintaining the market on an even keel which induces free consumption at the maximum consistent value.

The answer is found very largely in the provision of adequate cold storage facilities at all of the principal shipping points in the Northwest. The exchange cannot too strongly emphasize the value and immediate need of these facilities. Every year witnesses on an increasing scale the sorry spectacle of hundreds of cars of Northwestern fruits rushed into the Eastern markets at a time when the markets are glutted and sacrificed needlessly all because of lack of facilities for holding the fruit back at this end of the line, where it can be held at minimum expense, and feeding the markets as fast, and only as fast, as they can take it at correct values. All of these and many other provisions must be made before the issue rests wholly on the marketing organization.

This does not mean that great good cannot be accomplished even under present conditions by adequate marketing facilities. On the other hand, there is a regrettable lack of facilities in this

direction which the Northwestern Fruit Exchange seeks to correct. The exchange does not claim to have attained perfection. It does not claim to be able to accomplish the impossible, but it

feels necessarily encouraged at the result of this, its first season's operations.

From the very beginning it perceived the importance of avoiding the large Eastern centers in

Stanley-Smith Lumber Co.

WHOLESALE AND RETAIL

LUMBER

Lath, Shingles, Wood, Etc.

HOOD RIVER, OREGON



The PERFECTION CLAMP TRUCK

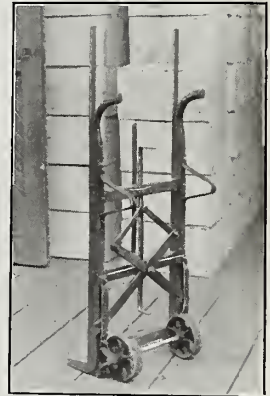
Patented 1910 in U. S. and Canada

Saves labor, jar and breakage. Indispensable to fruit dealers and growers. Write for circular giving descriptive details and prices f.o.b. Seattle, Portland and Vancouver, B. C.

Manufactured by

SAMSON & ARCHIBALD

Vernon, B. C., Canada



FRUIT Western
Soft Pine.
Light, strong
and durable.

"Better Fruit"
subscribers
demand the
"Better Box."

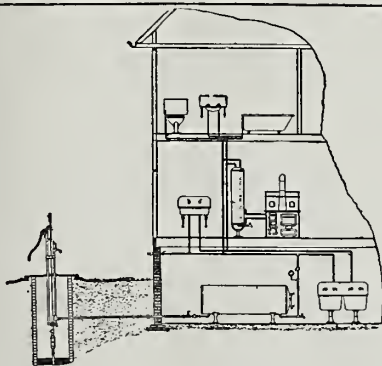
BOXES

CAN MAKE TWO CARLOADS DAILY

Washington Mill Co.

Wholesale Manufacturers

Spokane, Washington



Why not enjoy the most desirable of city conveniences?

Water Supply Under Pressure

YOU NEED A

Leader Water System

IN YOUR HOME

No doubt you have often envied your city friends and wished for the conveniences afforded by modern water supply under pressure, in your home. The **Leader Water System** will enable you to enjoy these advantages more thoroughly than is possible with any other system. The **Leader** is not an ordinary farm water supply system, with its attending troubles and annoyances; it is far from ordinary. It will furnish a dependable supply of water wherever and whenever you desire it. You can enjoy modern home conveniences, such as the bath, toilet, etc. You will have plenty of water for all domestic purposes, the laundry, sprinkling and PROTECTION AGAINST FIRE, that danger which constantly menaces the rural home. Pressure up to 125 pounds may be maintained with **The Leader System**. As is shown in the illustration, the tank may be placed in the basement (more often it is placed underground), where it keeps the water cool and fresh in summer and prevents freezing in winter. The beauty of **The Leader System** is that it is practically troubleless. With the exception of a few moments when water or pressure become low, it needs no attention. But for the fact that every time you have occasion to call on its services you are reminded of its efficiency, you would forget that you had such a thing as an independent water supply. We will be glad to give you an estimate on a system that will meet your requirements. Use the coupon.

USE THE SLIP AND GET OUR FREE BOOK, "QUESTION OF WATER"

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OREGON**

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Boise, Idaho

Mitchell, Lewis & Stayer Company,
Portland, Oregon.

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Send me your book, "Question of Water."

Name

Address

THE FAMOUS
Rayo
Lamp



The Rayo Lamp is a high-grade lamp,
sold at a low price.

It gives the white, soft, mellow, diffused light, which is easiest on the eye; and you can use your eyes for hours under Rayo light without eye strain, because there is no flicker. The Rayo Lamp may be lighted without removing shade or chimney. You may pay \$5, \$10, or \$20 for lamps other than the Rayo and get more costly decorations, but you cannot get a better light than the low-priced Rayo gives.

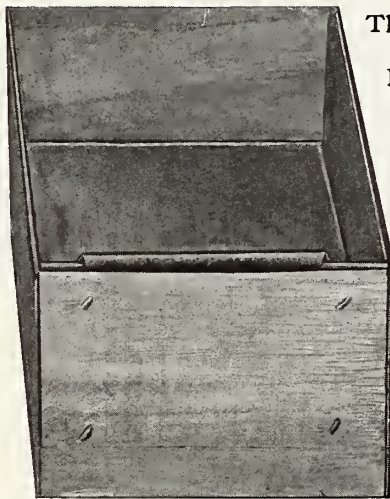
Dealers Everywhere. If not at yours, write to the nearest agency of the

Standard Oil Company

(Incorporated)

which hundreds of cars were being sacrificed at auction, and anticipated the results that would surely follow. By means of its sales forces it has reached out into the small markets and the remote districts, which have been comparatively free from demoralized competition, and has effected an extremely wide distribution, possibly the widest that Northwestern apples have ever undergone. The exchange has employed exactly *one hundred* different markets. It has handled over seven hundred carloads. It might have handled many more, but its policy has been "Quality of service first of all—the volume will take care of itself." Neither effort nor expense has been spared to obtain for the grower the utmost measure of money returns. The exchange will finish the year with a deficit, but with average net results which it honestly believes will *lead the entire Northwest*, taking into consideration variety for variety, grade for grade, and time of shipment. Its records are open to every fruit grower. It is operated by fruit growers under a wide-open policy. It stands ready to assist fruit growers to organize their districts where organization are now lacking, and to improve conditions all along the line. The exchange feels grateful to its members for the earnest support which has been accorded it, and especially for the warm words of praise which have come to it unsolicited from so many of its members. The exchange approaches the tremendous tasks ahead humbly and earnestly, determined to do its best, and bespeaks the sympathy and support of everyone who has the interests of this great industry at heart.

The exchange invites fruit growers from any district, whether affiliated with the exchange or not, to make its offices in Portland their headquarters while in the city, and its officials will



This Package
is
Perfection

"SAVE-TIME" FOLDING BERRY BOX

USE BRAINS STOP STAPLING

LET OUR AUTOMATIC MACHINES DO THE WORK

Manufactured by

Pacific Fruit Package Co.

H. B. HEWITT, Pres. and Treas. J. H. HEWITT, Vice Pres. O. C. FENLASON, Sec. and Mgr.

Raymond, Washington

Agents Portland, Oregon, Territory:

STANDARD BOX & LUMBER CO.

East Pine and Water Sts., Portland, Oregon

Agents Spokane Territory:

WASHINGTON MILL COMPANY

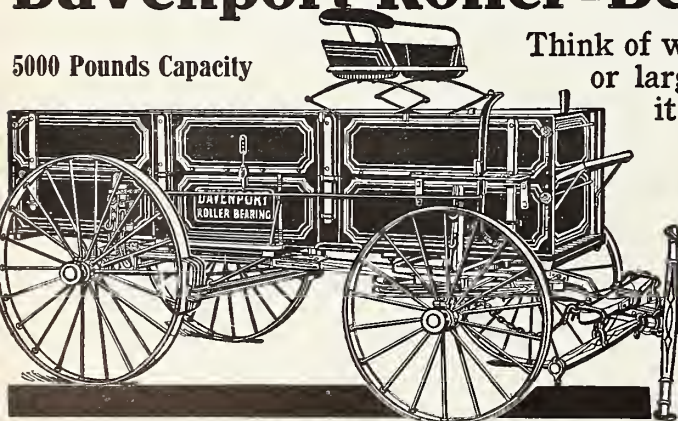
Spokane, Washington

Sell One Horse

And for the selling price buy a wagon that will pull one horse lighter. That is if you are now using three farm horses you can get along with two; if you are using four, three will do your work with a

Davenport Roller-Bearing Steel Wagon

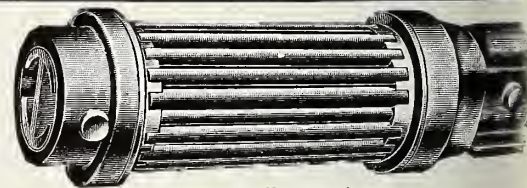
5000 Pounds Capacity



Think of what that means to you. More trips, easier trips, fewer horses, or larger loads, with the same horses and help. Anyway you figure it, it is a money-saving and a money-making proposition for you.

In the **Davenport** you have a wagon guaranteed for 5000 pounds capacity, with gears of solid steel, rolled into the strongest forms known and trussed like the modern steel bridge. The wheels are steel with strong, round spokes forged solidly into the hubs and hot riveted into the tires. There is nothing to dry out, rot, shrink or work loose. No tires to reset, no breakdowns, no repairs. Oil without removing the wheels. Let us tell you all the facts. You should know what these advantages really mean to you. Then you won't be content till you own a **Davenport**. It will give you more than twice the service of the best wooden wagon made. And it costs about the same. Now write for Package No. 22.

Davenport Wagon Company, Davenport, Iowa



The Roller Bearing.

30% to 50%

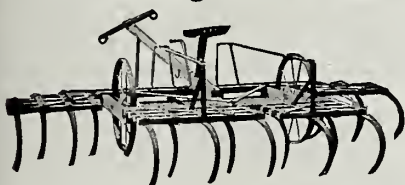
Lighter Draft

take pleasure in explaining in detail the workings of its system.

The records of every transaction made by the exchange are open at all times to the scrutiny of those shippers directly interested.—Contributed.

[Editorial Note.—The above article about the Northwestern Fruit Exchange, we feel, will be read with interest by all fruit growers of the Northwest. Mr. Gwin, their manager, in handling the business, has shown a familiarity with the markets and marketing conditions in the East that is indicative of good experience. The market reports furnished to the big dailies of the Northwest about marketing conditions in general prove very interesting and instructive to the growers, and it is evident to one familiar with the conditions this year, that Mr. Gwin has a pretty good understanding of the different markets and their respective conditions. The situation in general, judging from the articles published in the big dailies in reference to prices obtained, would, to one familiar with market prices this season, seem to show that good prices have generally been obtained for the apples sold by the exchange, where they have been up to grade, properly packed and of the standard varieties that are in demand.]

The Forkner Light Draft Harrow



Is the only perfect light running wheel cultivator ever offered for orchard work. Each section is so easily manipulated with levers that a small boy can operate it and cultivate perfectly 30 acres per day with one team of medium weight. Works well in stumpy or stony land and does not clog with loose grass, roots, etc. Its extension of 11 feet, 3½ feet each side of the team, enables perfect dust mulching near the tree trunks without disturbing the branches or fruit, and eliminates the use of the hoe. One machine will work 100 acres of orchard and keep it in garden tilth. These machines are labor savers and will reduce your cultivating expenses one-half even if you have but 5 or 10 acres of orchard. Full particulars upon request. Address **LIGHT DRAFT HARROW COMPANY**, Marshalltown, Iowa.

PROFIT

by the experience of others, use

Pittsburgh Perfect Welded Fence.

When you want a Wire Fence, remember this—you simply can't afford to get one until you have seen the strongest, simplest, most durable fence ever made, the

Pittsburgh Perfect Welded Fence

One solid piece of steel throughout

Costs no more than others, yet it is the best fence. Best because it does away with all superfluous parts—best because it has no wraps, ties, twists or clamps—best because its wires are electrically welded at every contact point—best because the weld is stronger than the wire. When we cut out those superfluous parts we added strength and long life and reduced cost—that means double economy for you. The best because made of special steel, galvanized by the latest improved process, insuring the longest-lived fence on the market.

Made in 73 different styles for every fence purpose. Pig tight, bull strong. We guarantee "Pittsburgh Perfect" before you buy. You know what the R. M. Wade & Co.'s guarantee means. If there is no agency in your town write us.

R.M. WADE & CO

ESTABLISHED IMPLEMENTS & VEHICLES Up to Date
PORTLAND, OREGON.

OWN YOUR OWN IRRIGATION SYSTEM



CONVERT that creek, slough, pond, or other source of water supply that you think is worthless into a valuable asset—make it irrigate your entire farm.

You can have a dependable irrigation system of your own which will free you from the worries of uncertain rainfall and make you entirely independent of irrigating companies.

You know it is not so much the scarcity of water as the getting it from the place where it is not needed to the place where it is valuable.

An I H C gasoline engine will solve this problem for you by pumping the water economically and unfailingly. You can start the engine at any time and irrigate the crops whenever they need water—thus you are made master of the situation.

I H C Gasoline Engines

require very little attention and will pump water in large quantities economically and unfailingly. An I H C gasoline engine will not only serve as the basis for your irrigating system but it will run your fanning mill, feed cutter, grindstone, bonecutter, churn, washing machine, and all similar machines.

I H C gasoline engines are made in the following styles and sizes:

Vertical—2, 3, 25, and 35-horse power.

Horizontal—(portable and stationary) 1, 2½, 4, 6, 8, 10, 12, 15, 20, and 25-horse power.

Tractors—12, 15, and 20-horse power.

Air Cooled—1, 2, and 3-horse power.

Sawing and spraying outfits.

For detailed information concerning the one best suited for your individual use please call on the I H C local dealer or write to our nearest branch house.

WESTERN BRANCH HOUSES: Denver, Col.; Portland, Ore.; Salt Lake City, Utah; Helena, Mont.; Spokane, Wash.; San Francisco, Cal.

INTERNATIONAL HARVESTER COMPANY OF AMERICA
(Incorporated)

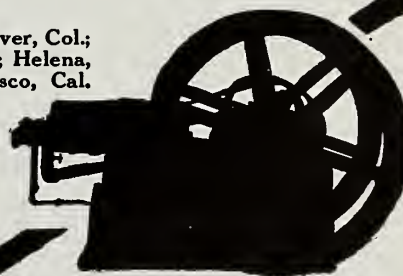
CHICAGO
U S A

I H C Service Bureau

What is it? A clearing house of agricultural data. **What does it do?** Helps farmers to help themselves.

How can it be used? By sending your farm problems and puzzling questions to the Bureau.

We are co-operating with the highest agricultural authorities and every source of information will be made available to solve your difficulties. We shall be pleased to have an opportunity to assist you. Write the I H C Service Bureau.



THE horse does all the work, except holding the pole, with the H. P. SPRAMOTOR. It can be operated by either horse or hand. Has eight nozzles at 175 pounds pressure, which practically smoke the tree with spray. All automatic. The number of nozzles can be arranged to suit size of trees. The largest tree may be sprayed. Same price for one or two horses.

The H. P. SPRAMOTOR can be arranged for vineyards, row crops, strawberries or grain crops. The nozzles will not clog. Agents wanted. Get our free Treatise on Crop Diseases.

R. H. HEARD

1333 ERIE STREET, BUFFALO, NEW YORK

WHEN WRITING ADVERTISERS MENTION BETTER FRUIT

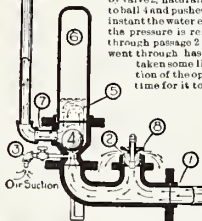
Make Your Water-Power Work for You

It is a simple and easy matter to utilize the water-power that is going to waste in the flowing streams of water and springs. A two-foot fall is all that is necessary. You can make the falling water supply enough power to raise itself to a level where it will be useful to you. You can irrigate your land—you can supply water to your house and other buildings—you can store water for use when the stream or spring is low. No engine of any kind required. The power of the falling water does all the work with the aid of a

Phillips Hydraulic Ram

HOW IT WORKS: To the right is illustrated a spring of water, on the lower left hand corner is pictured a cross section view of a PHILLIPS HYDRAULIC RAM. The little arrows in the spring indicate that the water is running into a pipe that is connected to the Ram. The water flows through the pipe downward to the entrance of the ram. Notice the numbers on the illustration and follow this description carefully. 1 is a ball that stops the water from going through until sufficient power is exerted. 2 is a sort of a valve that raises as the water gains in momentum. The water enters the ram and as it cannot go past 4 it rushes through valve 2. The little arrows illustrate the water gushing out. It comes faster and faster. When it reaches its top speed it carries the valve 2 up against a solid piece of metal 3. This shuts the water off at 2. The water having reached its maximum of speed and being suddenly shot off by valve 2, naturally tries to get out somewhere else, so it rushes up to ball 4 and pushes it out of its socket and flows past to 5. The instant the water enters chamber 5 valve 2 falls down again because the pressure is released. The instant valve 2 falls the water goes through passage 2 and ball 4 falls back into place. The water that went through has been captured and it can't get back. It has taken some little time for you to read this description of the operation. It takes but a very short time for it to happen. It happens some times 79

times in a minute. Now let us go a little farther. Every time valve 2 falls and lets the water through, the water falls down from ball 4. As it falls it causes some air to be sucked in from air facet 3. Air can pass but one way through this facet—that is in. When the water enters chamber 5 it carries the air with it. The air immediately goes up into chamber 6. Some air goes in with every action of the Ram. It compresses in chamber 6. When ball 4 falls into place the compressed air forces the water from 5 out through 7 and up into the pipe at the left. The Phillips Hydraulic Ram has no springs—nothing to get out of order. It never has to be oiled. It works constantly day and night. The greater the fall of water the more power the Ram exerts—the more water it lifts. It pumps a large amount of water to a low height or a small amount to a greater height. Perfect in action, simple in construction, economical and efficient.



For information as to size of Ram you require, and price, write a letter explaining how much water fall you have, and other information, to

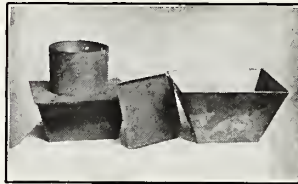
Phillips Hydraulic Ram Co.
432 LUMBER EXCHANGE BLDG., PORTLAND, OREGON

Buy Your Orchard Heaters Now

Everybody will want orchard heaters next spring; it has been demonstrated that orchard heating is profitable, and while heaters may not be needed next spring, it is well to be prepared for any emergency.

The National Orchard Heaters have been tested and have made good. Our sales are very great among those who have seen the heaters in operation. We know we will be swamped with orders in late winter and early spring, and therefore make special inducements for you to order now. Write us at once about your orchard, and we will tell you how many heaters you will need and the cost of same. Don't wait until you need the heaters—it will be too late then. Write now, and save money by ordering early.

National Orchard Heater Co., Grand Junction, Colorado



Planet Jr.

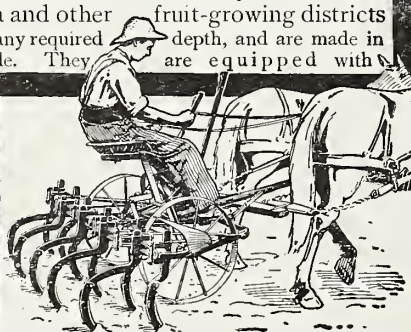
No 41 Orchard and Universal Cultivator

Adapted especially for the work of orchardists and vineyardists. Does quicker and more thorough work than any other implement made for fruit-growers' use. Planet Jrs were invented by a practical farmer who felt the need of just such implements. They are backed by over 35 years' manufacturing experience, and are used by thousands of orchardists throughout California and other fruit-growing districts.

They furrow, hoe, and cultivate to any required depth, and are made in sizes which work up to 7 ft. 9 in. wide. They are equipped with side-hitch and fruit and tree shield. Can be changed to a disc-cultivator. High-carbon steel frame, steel tongue, low wheels enclosed by the frame. Strong, substantial, easily handled.

We carry stock in San Francisco. Agencies in all principal Pacific Coast cities. Write for name of nearest agent, also illustrated 56-page catalogue of all 1911 Planet Jr implements. Free and postpaid.

S L Allen & Co Box 1106 U
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Johnson's Share Only 7%

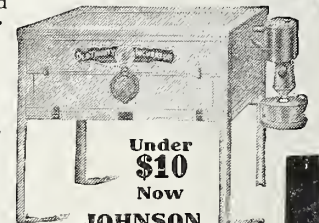


I've got a most profitable chicken raising message for 1911 to send you—and my book, Johnson's own writings again. Hundreds of photographs—every page a poultry sermon on how simple and sure many thousands of satisfied customers of mine have proved Old

M. M. Johnson Trusty. I'll write my price to you personally—less than \$10—freight prepaid (E. of Rockies) and show you how I'll make less than 7%—less than 70c on every Old Trusty on over 100,000 output this year.

Old Trusty 1911 BOOK FREE—Send Name

I used to have to make as high as 16% when I sold one-half as many. But I'd rather put down the price and sell more than twice as many on 7% making profit. And Old Trustys are better than ever this year—over 80% hatches guaranteed and my guarantee to last you ten years. Handsome metal encased over asbestos covering. Beginners find them simple, easy to run and sure. Expert poultry raisers praise Old Trustys for highest standard success.



30
60
or
90
Days'
Trial
—
10
Year
Guarantee

Under
\$10
Now

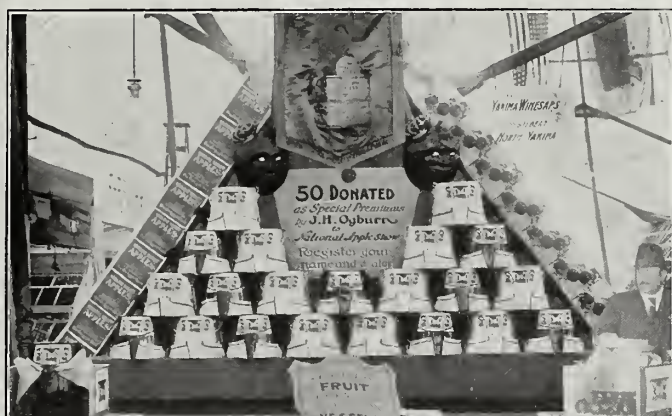
JOHNSON
Pays the Freight
(East of the Rockies)

Whatever else you do—don't miss this offer. Don't miss my 1911 Old Trusty Book with hundreds of photographs. Be sure to write me a postal before you buy anybody's machine this time. Address

M. M. JOHNSON
Clay Center Nebraska

Ogburn's Fruit Gathering Vessels

THE LATEST INVENTION



OGBURN'S FRUIT-GATHERING VESSEL
Prevents Bruising Fruit, Saves Time & Money. See That Your Hardware Dealer Secures Agency For Next Season.

EXHIBIT NATIONAL APPLE SHOW, SPOKANE, WASHINGTON,
 NOVEMBER 14 TO 19, 1910, WHERE IT TOOK
 FIRST PRIZE AND GOLD MEDAL

A Number of these Vessels Given Free

Every reader of "Better Fruit" should write at once and advise number of vessels he can use in 1911. This information is solicited to secure estimate of how many vessels to manufacture, so your orders can be filled promptly. All fruit-growers writing not later than April 1, 1911, will receive special order blank with terms upon which a number of these vessels will be given free. Don't fail to write now.

Special terms granted to dealers and agents in their respective trade districts. Secure your territory for 1911 now.

ALL GOODS SHIPPED DIRECT FROM FACTORY

Manufactured by

WHEELING CORRUGATING CO.

Wheeling, West Virginia

For J. H. OGBURN, Patentee

For territory and terms, address all applications to

J. H. OGBURN
 WENATCHEE, WASHINGTON

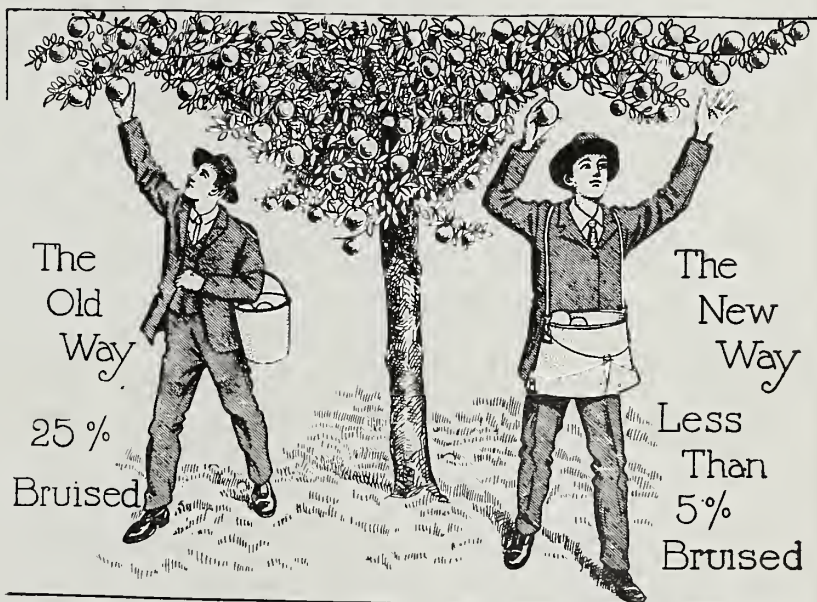
Saves money by preventing bruising fruit in handling from tree to box. Saves time by leaving both hands free to gather with, and being quick to operate. Money saved is money made.

Especially designed for apples, pears, peaches, oranges, lemons and tomatoes.

Can be used to great advantage in gathering cherries, plums, prunes and grapes. In handling small fruits, place a piece of wrapping paper in the bottom. The canvas bottom slides from underneath the paper and delivers the fruit on your packing table without the slightest injury.

This vessel is an oblong metal pail larger at the bottom than top, equipped with canvas bottom which slides from underneath the fruit, simply laying it on the bottom of the box or where desired, without disturbing the fruit, the bell-shaped pail lifting off without injuring the fruit at all.

The vessel holds one-half bushel or half box of apples, and in emptying the second time the canvas bottom eases the fruit in the vessel on that in the box without bruising or scratching, which is practically impossible with the wood or metal bottom pail.



ILLUSTRATING OPERATION, OLD AND NEW WAY

WHAT DOES THIS TRADE MARK MEAN TO YOU?



To the successful orchardist it means getting a standard lime-sulphur solution.

ORDER NOW

It also reminds him that it is time to order his spray if he wants to get it on time.

By the time you have read this "ad" we will be shipping our early orders. If you haven't sent us or your nearest dealer your order better do it AT ONCE, else you may fail to get it when you want it

AND GET RESULTS

Have you figured your returns on last season's crop? The culls represent the insects' share. Now is a good time to head them off on next season's crop. Think it's doubtful, do you?

WHAT DADDY AND MAMMY BUG SAY

"We've had a very pleasant nap, thank you. Last fall when we were preparing to go into winter quarters under this piece of bark we weren't bothered in the least, for this tree wasn't sprayed. If only our orchardist will forget us another month, we'll get through the winter with our large family all right—these balmy days are just right for hatching all our young—by that time we can all be ready for a sudden departure to more neglected orchards if we see any lime-sulphur coming our way."

SUCCESSFUL SPRAYING

If you were to read our booklet, you would change your mind. So would the bug family if you got busy and followed its directions. We are getting a lot of inquiries as to where reliable information can be gotten on WHY, HOW and WHEN to spray with lime-sulphur solution. We have written this book for these very inquiries.

HOME-MADE SPRAY

If you were to read our booklet, you would change your mind. So send for our book. You'll cease to doubt or to make your own spray. Making your own spray is like trying to make your own machinery—expensive and of doubtful quality. It's too much like a guessing contest.

CUSTOM SPRAYING

We are prepared to do your spraying for you at very reasonable rates and guarantee a thorough job. We have a thoroughly competent man, with years of experience behind him as a sprayer in one of the leading fruit districts of the Northwest, to run our outfit.

CAUTION

Beware of any statements regarding the comparative analysis of NIAGARA and other lime-sulphur solutions, whether made by individuals or experiment station bulletins. Unless they specifically state, giving date, that the analysis was made of the NIAGARA brand manufactured at Hood River they are absolutely false, so far as our spray is concerned.

June, 1910, report on analysis at the Oregon Agricultural Experiment Station, Corvallis, Oregon:

No.	History of Sample	Grams per 100cc.—Original Solution		
		Total CaO	Sulfid sulfur	Polysulfid sulfur
1.	Commercial sample of "Rex" lime-sulfur spray	12.12	5.92	23.06
2.	Commercial sample manufactured by Oregon Spray & Gas Co., Portland, Oregon..	12.86	7.04	25.30
3.	Commercial sample manufactured by Niagara Spray Co., Hood River, Oregon.....	12.38	6.79	23.90

The above analysis proves conclusively that the statements of our competitors, quoted from a bulletin of the State College, Pennsylvania, are not warranted. The State College of Pennsylvania has never had a sample from our Hood River factory for analysis.

Very truly yours,

HOOD RIVER SPRAY MFG. CO.

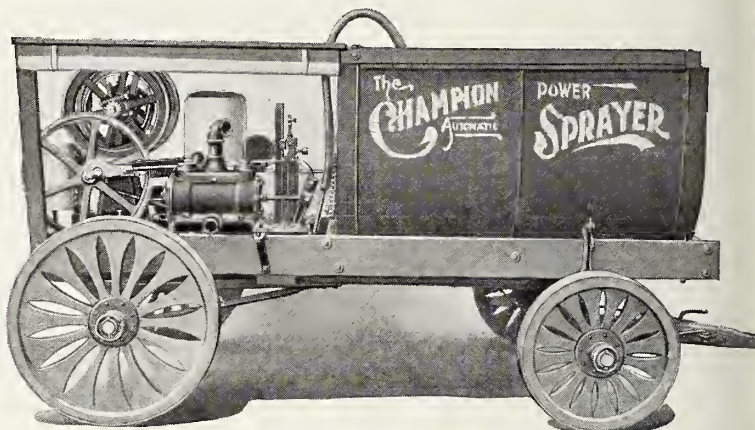
DON'T FORGET TO ORDER EARLY FROM THE

HOOD RIVER SPRAY MFG. CO.

309 FAILING BUILDING

PORTLAND, OREGON

AS LONG AS YOU'RE GOING TO BUY A POWER SPRAYER, YOU'D BETTER GET THE BEST—A CHAMPION



COSTS NO MORE TO BUY THAN ORDINARY OUTFITS AND COSTS A LOT LESS TO OPERATE

YOU COULDN'T DO WORSE than to buy a poor sprayer—you'll pay for it twice over in time lost, solution wasted, and repair bills.

OF COURSE IF YOU HAD TO PAY MORE for the best sprayer—which is the Champion—then there might be some reason in saving money and taking a chance.

BUT THAT ISN'T THE CASE—the Champion costs actually less than inferior power sprayers of other makes. One reason is, the Champion is simpler, therefore costs less to build and so can be sold for less. Then, too, we make them in large quantities—being the largest exclusive manufacturers of power sprayers in the world, and we give you the benefit of the saving we effect in that way.

THE SAME SIMPLICITY OF DESIGN that enables us to make and sell the best sprayer for the price of an ordinary one also makes the Champion the easiest to operate and the most economical.

SO THERE'S ONLY ONE REASON why anyone would buy any other power sprayer—he hasn't seen a Champion in operation nor investigated its many superior features.

YOU OWE IT TO YOURSELF to get our catalog, study the technical description of this splendid outfit and let us send you the names of prominent orchardists everywhere who are using Champions. The rest will be easy.

PLEASE REMEMBER THIS—we are specialists. The Champion Manufacturing Company manufactures only power sprayers. We never have made water pumps nor farm machinery. Sprayers are not a side line with us.

WE DEVOTE ALL OUR ENERGIES to making the best power sprayer possible—one that solves all problems in the handling of all kinds of solutions, and does it more easily, quickly and economically.

ORDERS ALWAYS AHEAD OF SUPPLY. So send for catalog at once, then order quickly, so as not to suffer delay in delivery. Champion Automatic Power Sprayers are fully guaranteed.

DO YOU KNOW the Champion nozzle—the only variable one—does away with towers; sprays the highest branches, or lowest, from the ground; from any point regardless of direction of wind; does a perfect job—and saves half the solution. Look into it.

The **CHAMPION** **AUTOMATIC** **POWER SPRAYER**

Department D

PONTIAC, MICHIGAN

SPOKANE NATIONAL APPLE SHOWS.—In acting as executive officer for the National Apple Show I am more deeply impressed with the spirit of the exhibitors than by anything else. As soon as the plans for the annual show are made known we begin to receive letters of encouragement from exhibitors of former years, and, as the campaign goes forward, we have continued support and co-operation. Many of these exhibitors have not won prizes, and to all of them the making of a display means a money outlay and the giving of time and labor. Yet they get behind the show in a spirit which makes the exhibition a guaranteed success from the start. When the decisions are announced the losers take their defeat with good grace, and the greatest satisfaction I have enjoyed as manager comes to me when these exhibitors, losers and winners alike, declare their intention of entering the race another year with a determination to do better.

Were it not for the financial support given the show by Spokane business men, the railway companies and a few other friends, the affair would be an impossibility, and our trustees fully realize the debt. At the same time we owe fully as much to the newspapers, trade journals and periodicals that give the affair such great publicity, and which encourage every move we make. Intelligent publicity is indispensable to an exhibition.

Plans for the Fourth National Apple Show are only being discussed in a tentative way as yet. The trustees wish to show the sentiment of the exhibitors before submitting any proposition to the Spokane Chamber of Commerce. We hope to

make each show an improvement over the last, and to this end we ask suggestions and criticisms while the tentative plans are the subject of discussion.

The taking of the exhibits to the East was such a great success this year from an advertising standpoint that it will probably be repeated. It is, however, a most difficult matter to decide what city will be best for the purpose. It should not only be a good "show" city, but so located that the exhibitors will attract the investing public and center interest in the resources of the Pacific Northwest.—Ren H. Rice, Manager of Spokane National Apple Show.



Editor Better Fruit:

The orchard heating number (October, 1910) of "Better Fruit" reached me today. I note with interest that you have honored me by making use of my article on "The Relation of the Weather Bureau to Horticulture," and also that the number contains many articles that will be of assistance to the growers in protecting their crops from frost. I shall have the pleasure of speaking to several gatherings of fruit men in the near future and I shall be glad to call their attention to this number of your magazine.

If consistent with your policy, I would very much appreciate half a dozen extra copies of this number. Thanking you for your kindness in the matter, I am, very respectfully, Edward L. Wells, Boise, Idaho.

Editor Better Fruit:

Your October number of "Better Fruit" treating on orchard heating is certainly a most excellent one. In fact, it is so good that I should like very much to get ten, or possibly twenty-five, extra copies of this number to be used in some class work here at this college. I shall be pleased to pay you for these. Kindly let me know if you can supply them.—Yours very truly, F. C. Reimer, West Raleigh, North Carolina.

The Hamilton Reservoir Orchard Heater



Acknowledged and proven, after three years' most successful use, the standard of efficiency and the KING of all heaters.

Millions of dollars' worth of fruit saved from spring frosts by its use.

Most wonderful invention of the age, and the fruit grower and vegetable producer reap the benefits.

The "Draw the cover and regulate the fire" principle has won, and we offer you the very best your money can buy, with absolute protection to your crops. A quarter of a million heaters in the hands of inexperienced growers last spring has proven every claim we have made. Get in line with other progressive growers and protect your crops from frost. Write us today for full information and for the story of "Frost Fighting," which will interest you.

The Hamilton Reservoir Orchard Heater Co.

Grand Junction, Colorado



One Animal and Three Hogs to an Acre

THIS is a fair estimate of the average feeding ability of the soil. On a farm of 80 acres the highest limit of efficiency is 20-acre fields. Large fields diminish the earning power because two small fields alternated will furnish much more support for stock than the same average in one big field. The fence is the important factor; and with the liberal use of gates, unlimited extension and alternation is simple.

The steel in Ellwood fence is specially made from carefully selected stock. It is hard, elastic, tough and springy. The line wires, composed of two or more wires twisted into cables, give each individual wire the shape of an elongated, coiled spring. The fence is therefore sufficiently elastic to take care of expansion and contraction, and yet so rigid when properly stretched

as to prevent sagging. The small and permanent mesh is made by weaving one continuous wire throughout the fabric. The mesh or stay wires are so interwoven that slipping is impossible. The triangular truss is the strongest form of construction known. For this reason, Ellwood fence will stand the hardest usage and still retain its shape

Ellwood Fence is sold in your town. Look for the dealer and let him show you his different styles of fence and quote you his low prices. Get his expert advice on your special needs. He is on the spot, buys in large quantities, gets the lowest carload freight rates, demonstrates quality before your eyes and is the man from whom you will get the most for your money.

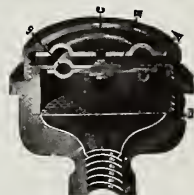
FRANK BAACKES, Vice President and General Sales Agent

American Steel & Wire Co.

Chicago New York Denver San Francisco
Send for copy of "Ellwood Fence News," profusely illustrated, devoted to the interests of farmers and showing how fence may be employed to enhance the earning power of a farm. Furnished free upon application.

ELLWOOD FENCE
MADE OF TOUGH SPRINGY STEEL

Get to the
Very Center
of the
Blossom with
the great



Non-Clog Atomic Nozzle

The great Non-Clog Atomic Nozzle is a perfectly simple, simply perfect nozzle which will not—cannot clog. A test was made by spraying a solution of sawdust.

It is instantly adjustable, even when working, from a mistlike, narrow or wide angle spray to a concentrated stream. This feature makes it the ideal nozzle for orchard or field work. It will throw the solution to the top-most branches of the tree or gently sprays it over the most tender vine.

When used in connection with a 45 degree elbow, the Non-Clog Atomic throws the solution squarely into the center of every blossom—applying it into the calyx—the only successful way to combat the codling moth. It is fitted with four removable discs which give a capacity of 1—2—3 or 4 point Vermorels. It is cast bronze. The discs are galvanized steel or brass as preferred. It has no projections to catch on limbs. We are the largest

Hand and Power Spraying Machine

manufacturers in the world. Practically all Government and State Experiment Stations endorse Brown's Auto-Sprays. More than 300,000 in use.

Send for book of 40 styles and sizes of Hand and Traction Power Auto-Sprays. This book contains an article on spraying by Prof. M.V. Slingerland of Cornell University of Agriculture and shows you the right machine for your purpose at the right price.

The E. C. Brown Co., Rochester, N.Y.
Pacific Coast Trade Supplied by
Chas. H. Lilly Company, Seattle, Wash.

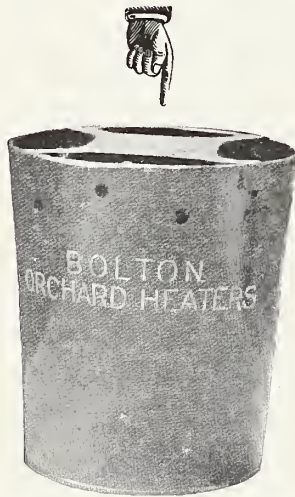
CROP INSURANCE

Frost Prevention—The Only Safe Insurance

When the saving of fruit crops by means of smudge fires was first undertaken it was known as "frost-fighting." This led to the development of a number of devices for burning the various fuels, and the operation then became known as "orchard heating."

The first successful heater on the market was the California or Fresno oil pot, afterwards known as the Bolton Orchard Heater. It was invented by a

THE SOOT GATHERER



THE HEATER

man with twenty years' experience in the government weather service, and has been in use by the University of California for many years.

It was the first heater used in Colorado, and revolutionized fruit growing there.

Its success has brought forth a cloud of imitators, who are endeavoring to introduce many expensive and ineffective devices among the growers.

Under the ownership of THE FROST PREVENTION COMPANY of San Francisco many improvements have been made. The heater, with a reliable electric frost announcing thermometer and a simple lighting torch, is known as

Bolton System of Frost Prevention

Today this is the only scientific, economical and reliable means of preventing damage by frost. Its successful operation is based on the scientific fact that a warm, even blanket of fog over the entire orchard, maintained while the temperature is in the danger zone, will prevent frost formation. Large fires

cause drafts and cold rushes of air, allowing the frost to settle in spots. Also trees near the fires are scorched.

The experts of THE FROST PREVENTION COMPANY, after many experiments, decided on the shape and two sizes of heaters offered, as giving the best results. A perfect heat blanket will be formed with one fire at each intersection and a double row around the outside. Large pieces of soot and unburned carbon were thrown off by the open burning fires. This caused damage to fruit and blossoms. To prevent this damage a soot gatherer was invented.

The Introduction of the Soot Gatherer Marks an Epoch in Horticulture

The soot is all collected and thrown back into the flame to be burned. With the soot gatherer in use the same amount of fuel burns almost twice as long and gives off double the heat. Dense clouds of pearl gray fog pour from the pots and settle evenly over the orchard, making a warm, impenetrable blanket, and absolutely preventing frost. All cold rushes of air are eliminated. The ideal, even blanket that affords complete protection is spread over the crop.

With these heaters installed and operated as directed, and the frost announcing thermometer working, the grower has absolute protection from frost.

The Bolton System of Frost Prevention

Offers the grower the only complete chain of protection on the market.

Many California or Fresno oil pots were sold before the invention of the soot gatherer. Any grower who has these heaters can buy the soot gatherer for 2½ cents each f. o. b. his freight station.

The heaters used in

The Bolton System of Frost Prevention

Hold four quarts of oil, burn eight hours and cost 20 cents each f. o. b. the grower's freight station.

A larger size, holding seven quarts of oil and burning twelve to fifteen hours, can be had for 26 cents f. o. b. the grower's freight station.

The thermometer costs \$22.50 f. o. b. the grower's station.

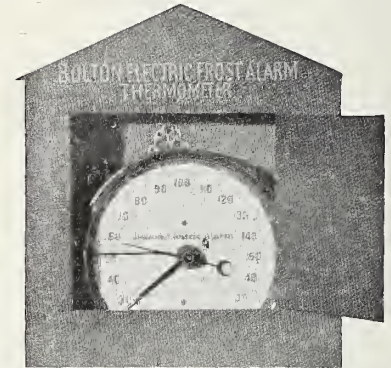
THIS MEANS \$20 PER ACRE FOR COST OF EQUIPMENT.

THIS MEANS ONE HUNDRED GALLONS OF OIL PER ACRE FOR EIGHT HOURS' PROTECTION.

THIS MEANS ABSOLUTE PROTECTION FROM FROST FOR LESS THAN HALF OF THE EXPENSE WHEN USING OTHER HEATERS.

The California Fruit Growers' Exchange, after a careful investigation, adopted

The Bolton System of Frost Prevention And placed an order for one million heaters.



THE THERMOMETER

The fruit growers of Florida have bought over two carloads of these heaters since December 1st.

Growers throughout the country are discarding other heaters and installing

The Bolton System of Frost Prevention

THE FROST PREVENTION COMPANY is willing to enter a field competition with any orchard heating company and absolutely demonstrate the merits of this system to the growers.

The most complete protection.

The lowest cost per acre to install.

The smallest fuel consumption per acre.

These are the points that interest you, the grower.

These are the reasons

The Bolton System of Frost Prevention

Has a larger sale than all other frost-fighting devices put together.

These are the reasons why you should buy THE BOLTON SYSTEM OF FROST PREVENTION.

Place your order today. Any defective heater or thermometer will be replaced free of charge. Deliveries will be made promptly.

The Frost Prevention Company

Balboa Building

San Francisco, California

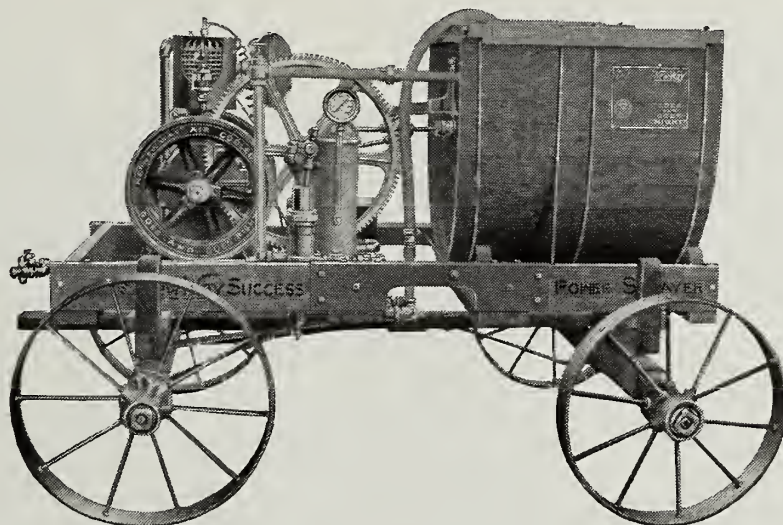
GROWERS DESIRING THE SOOT GATHERER WILL BE GLADLY SUPPLIED AT 2½c PER GATHER

WHEN WRITING ADVERTISERS MENTION BETTER FRUIT

THE "New-Way" "SUCCESS"

Twin Cylinder, High Pressure Power Sprayer

*The
Right
Size*



*For the
Average
Orchard*

The "New-Way" "Success"

is the first, light weight, high pressure power sprayer that *exactly fills the bill* for the ordinary sized farm orchards

SOME REASONS WHY

1. The "New-Way" Air Cooled Engine gives the power, lots of it, and some in reserve. No water tank, no gasoline pump, no needle valve to give trouble. A farm engine for every day in the year.
2. Twin cylinder "Success" Pressure Pump, outside packed—don't forget this. Packed in five minutes without tearing pump down at all.
3. 200 pounds pressure kept up continuously. Doesn't injure the outfit either. The "Success" lasts indefinitely—is not a one-season machine only.
4. Light weight. Goes anywhere over hard, soft or hilly ground. Short turn. We'll tell you the rest when you send for "Success" catalog.

THE "New-Way" "SPECIAL" Sprayer

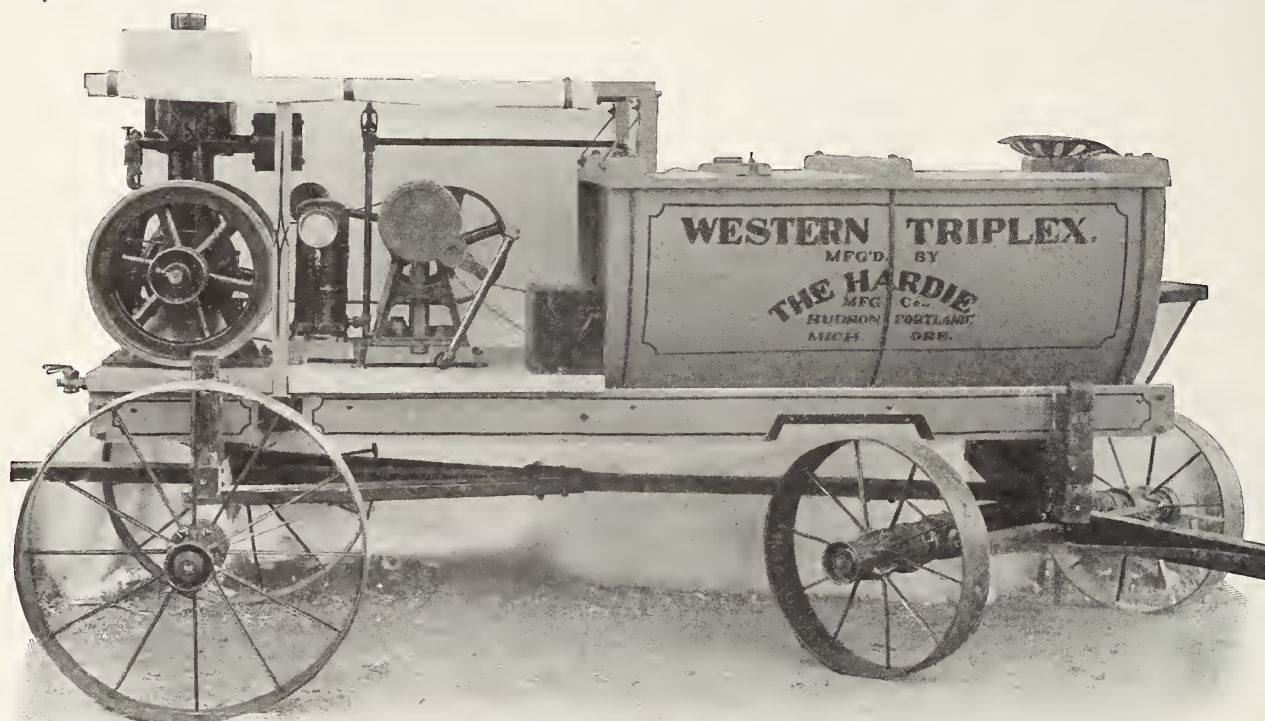
Has larger capacity for the largest fruit orchards. Ask for "SPECIAL" sprayer catalog

Mention "Better Fruit" and write for catalog to

THE "New-Way" MOTOR COMPANY
LANSING, MICHIGAN, U.S.A.

OR **John Deere Plow Co.**
Portland Spokane

The HARDIE TRIPLEX



From Maine to Washington, the Hardie Triplex Sprayer is working successfully. Our model for 1911, shown in the cut above, gives you an idea of the completeness of this machine.

Small details, which tend to perfect it in usefulness and completeness, are carefully looked after.

We give you a machine ready to run every minute you need it, doing efficient work for you all the time, and with

Nothing to Watch but the Spray

Light in weight, compactly built, efficient in every way, don't buy till you see the HARDIE TRIPLEX.

Our new catalog is now ready, showing over twenty different styles of hand and power spraying machines, nozzles, hose, etc.

Last spring when looking for a sprayer we looked at all the sprayers on the market and decided on the Hardie as being the machine suitable for our work. Before buying we were told by some that the brass cylinders on the Hardie pump would not last and would be soon eaten up by the action of the spray material. After a season's use we can say that the cylinders are as good as when the machine was taken out. The machine has been exceedingly satisfactory in every respect and has done all you claimed for it. You may use our names as reference at any time.

Wenatchee, Washington.

P. J. Morris.
J. R. Phipps.

The Hardie Triplex Sprayer I purchased this spring has given the best of satisfaction and I do not hesitate in recommending it to every one as the best power sprayer on the market. On account of its low build and light weight it can be taken into orchards where no other power sprayer would go without tearing the trees and knocking off the fruit. I have not paid out one cent for repairs this year.

Dr. H. J. Whitney.

Cashmere, Washington.

Send for Our Catalog Today

The Hardie Manufacturing Company

Hudson, Michigan

49 Front Street, Portland, Oregon

A LARGE WALNUT PLANTING IN THE VALLEY.—The Oregon Nursery Co., of Orenco, Oregon, report the sale of sufficient walnut trees of the Vrooman Franquette strain to James Bros., of Falls City, Oregon, to plant 200 acres, through their representative, J. D. Waring, of the firm of Stubbs & Waring of Salem, Oregon. This will probably be the largest single walnut planting in the Willamette Valley thus far, but it indicates the trend of people's attention toward walnut planting. There has been so little attention paid to the selection of varieties until the past few years that many people are skeptical concerning the advisability of planting walnut trees, but with the intelligent selection of a variety suitable for this district there is no doubt that such an undertaking will bring big returns. The Vrooman Franquette is the one variety that seems to fill all the requirements—being a late bloomer, hardy and prolific producer of large, well filled, highly flavored nuts. This variety is being planted very extensively in California on account of the splendid record made by the large grove owned by the late Mrs. Emily Vrooman.—Contributed.

Editor Better Fruit:

At our annual meeting the president was directed to call a convention of fruit growers and fruit shipping associations to meet in Portland early this winter to "consider organization of a fruit growers' central agency for the entire Pacific Northwest, and to consider the attitude which should be taken toward national apple box legislation."

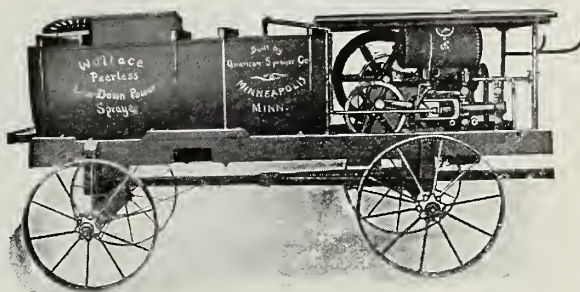
Pursuant to that authority, I hereby call said convention to meet at ten a. m. January 24, 1911, in the auditorium of the Y. M. C. A. Building, Portland, Oregon. You are cordially and urgently invited to attend or to send a representative. I am writing every apple shipping association of the Pacific Northwest to send a delegate.

Having learned, since our meeting, that the State Horticultural Association of Washington is to meet at Prosser, January 17th, I have set date of the Portland convention a week later, so that some of us may attend the Prosser meeting and hear these questions discussed by Washington growers, before the convention here.

I hope to see you at the Prosser meeting, and trust, after discussion there, these questions may be referred to the Portland convention, and that you will attend the latter.

I take the liberty of enclosing copy of press clipping touching these questions. Yours very truly, H. C. Atwell, President Oregon State Horticultural Society, Forest Grove.

Wallace Peerless Power Sprayer



PROVEN BEST BY EXPERT TEST

In design, construction, and economy of operation, the PEERLESS spraying outfit is without a peer among power sprayers.

Equipped with our patent pressure regulator, insuring steadiness of pressure, and our new design rotary agitator insuring adequate agitation of spraying mixtures.

Write for Descriptive Catalogue

AMERICAN SPRAYER COMPANY

Minneapolis, Minnesota

A Happy Thought—

THAT SURELY IS WHAT IT IS—

The "Kansas Pruning Knife" and the smaller "Happy Thought" make the best combination of two tools that was ever put on the market for your orchard work.

A demonstration is all you need to see to prove the above statement.



GILBERT-VAUGHAN IMPLEMENT CO.

HOOD RIVER, OREGON

Agents for Hood River, Oregon, for the International Tool Co., 49-51 Porter Street, Detroit, Michigan

The FAMOUS REX SPRAYS

REX LIME AND SULPHUR SOLUTION, the original concentrated preparation for spraying fruit trees and for animal dip.

This article has been on the market for some eight years and wherever used throughout the United States has given universal satisfaction. It has always been recognized as the highest standard of commercial solution. Because some of our imitators have succeeded in making a concoction that gives a fair Beaume test is by no means a sign that they have the merit that Rex has. We quote the following from the Michigan Experiment Station, Chemical Division:

Mr. W. S. Pullen, Hillsdale, Michigan.

Dear Sir: I send you herewith the results of our analyses of the three samples of spray mixture which were brought to this laboratory by Professor Eustace of the horticultural department:

	No. 1 Lab. No. 2488 Per cent	No. 2 Lab. No. 2489 Per cent	No. 3 Rex Lab. No. 2490 Per cent
Total sulphur	14.61	17.40	26.23
Total lime (CaO)	6.32	7.93	10.38
Sediment	16.59	12.90
Beaume	34.4	34.2	33.

As the insecticidal value of the lime and sulphur solution is without question due to the amount of sulphur combined which goes into solution, you will readily see that the REX solution is equal in value to one and one-half times as much as Solution No. 2, and one and eight-tenths more than Solution No. 1. The large amount of sediment in Solutions 1 and 2 would of course lower their efficiency. I will send you a report of the arsenate of lead in a few days.

P. S. (By W. S. Pullen): Samples 1 and 2 were home-made, and we had a good plant.

Yours very truly,

W. S. PULLEN.

This proves that the analyses of this state official bulletin shows that Rex will stand from 10 to 60 per cent greater dilution than any of these brands, and shows that the directions for Rex are right and that every one of the others is wrong. This also shows that Rex at the same price per barrel is from 10 to 60 per cent cheaper than the others.

REX ARSENATE OF LEAD

We are also prepared to furnish our customers with the highest grade of Pyro and Ortho Arsenate of Lead, having the following guaranteed analysis:

Over 15 per cent arsenic oxide; not more than 50 per cent moisture, and less than one-half of 1 per cent soluble arsenic. The facts are, that Rex Arsenate of Lead averages over 16½ per cent arsenic oxide and less than one-quarter of 1 per cent soluble arsenic. So you see that this is far better than what is required in the federal insecticide law.

FOR INFORMATION AND PARTICULARS ADDRESS:

California Rex Spray Company
Benicia, California

Yakima Rex Spray Company
North Yakima, Washington

Wenatchee Rex Spray Company
Wenatchee, Washington

Editor Better Fruit:

There has been sent you, under separate cover, a copy of booklet on Oregon gotten out by the Great Northern Railway treating of the opportunities now open in your state, as well as those which are to be facilitated through the railroad, by opening up of Central Oregon. While this bulletin treats more largely of that portion of Central Oregon tributary to the Oregon Trunk

Railway, mention has been made of nearly all localities in your state in general.

You may be interested in knowing that 20,000 copies of this booklet were distributed by the Great Northern Railway at the United States Land and Irrigation Congress at Chicago, which closed on December 4th. The Oregon portion of the Great Northern booth attracted a great deal of attention among the many thousands of spectators who visited the congress daily. Our exhibition car, which you are no doubt aware is now traveling through the Eastern States, has already drawn upon our supply for another 20,000 copies of this bulletin, which will indicate in a small measure the great interest the people of the Eastern and Central States are taking in the future possibilities of Oregon. These 40,000 copies are in addition to those put out through our various exhibition rooms and general agencies.

A copy of this bulletin is sent to you as we believe you are interested in any proposition that may tend towards bringing your wonderful state before the people who have the intention of taking up homes in a new country. Yours very truly, S. J. Ellison, General Passenger Agent, Great Northern Railway, St. Paul.

Editor Better Fruit:

Please find enclosed \$1.00 to renew my subscription to "Better Fruit" for one year. Allow me to compliment you on the style and make-up of your magazine; you are doing good work, and I wish you every success.—Very truly yours, J. E. DuBois, New York.

IF YOU WANT TO KNOW MORE ABOUT THE WEST,

Resources, opportunities, life, literature, etc., don't delay, but send the coupon at once. The West of today will astonish you. There is something doing in the empire beyond the Rocky Mountains that will interest you. Get in touch with a live land, where fortunes await the willing.

The Pacific Monthly Company,
Portland, Oregon.

Enclosed find 25 cents. Please send three recent numbers containing information about the West.

Name.....

BF Address.....



Read what Hood River says

Hood River, Oregon, November 27, 1909.
This is to certify that I have used Cooper's Tree Spray Fluids, V1, for killing San Jose scale and found it very effectual.

G. R. Castner, County Fruit Inspector.

APTERITE

THE SOIL FUMIGANT
DESTROYS INSECTS IN THE GROUND

REDUCES LOSSES SAVES PROFITS
IT WILL PAY YOU TO INVESTIGATE
Write for 1910 booklet (32 pages)

Testimony from fruit growers everywhere

Agent:

C. G. ROBERTS

247 Ash Street Portland, Oregon

Sole Manufacturers:

William Cooper & Nephews
CHICAGO, ILLINOIS

LILLY'S BEST SPRAY BOOK

This is the book every fruit grower and farmer needs. It is complete in every detail including an absolutely scientific Spray Calendar with diseases and insects illustrated and described.

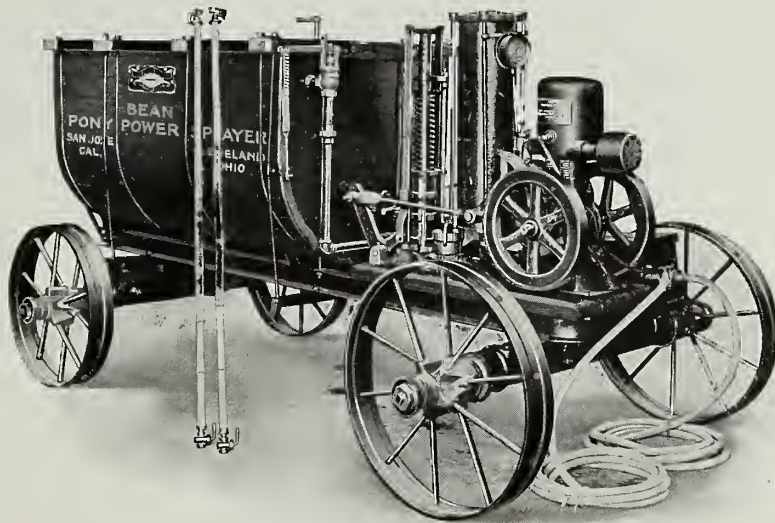
HAND AND POWER Spray Machinery

Tested sprays and insecticides are all included together with prices, illustrations and full descriptions. Lilly's Spray Book is a practical guide. Send for it—free to those asking. Chas. H. Lilly Co., Seattle.



BEAN POWER SPRAYERS

Simple to Operate! Easy to Haul!



BEAN PONY OUTFIT No. 140—A REMARKABLE SPRAYER FOR SMALL ORCHARDS

You want a sprayer that will run week in and week out without the need of constant repairing, adjusting and "tinkering". You want a sprayer that you can operate yourself, without the help of a trained mechanic. You want a sprayer that can be hauled anywhere in your orchard, on the level or over hills, on hard ground or soft, on dry ground or wet.

Then get a Bean. It doesn't matter what size you get, so far as quality goes, all Bean outfits are built equally well—they all have the unique patented Bean features. The chief difference is in capacity.

Bean Power Sprayers are furnished with our Sprayer engine or the Fairbanks Morse Jack-of-all-trades. All have our indestructible porcelain-lined upright cylinders.

All have Bean bell metal ball valves, which seldom ever clog and cannot possibly corrode. The wear comes on the seat which is inexpensive, is machined on both sides so that it can be turned over when worn, and can be reached in one minute when you have to get at it. No threads of any kind.

There's a Bean Outfit for every size orchard, Giant, Challenge and Pony. Write for quotations and the name of your nearest Bean agent.

Bean Spray Pump Co.

"Everything for Spraying"

Cleveland, Ohio

SAN JOSE, CALIFORNIA

SEND FOR OUR NEW
1911 CATALOGUE

It illustrates and describes all Bean Power Outfits, Hand Sprayers, Spraying Materials and Pump Accessories. A handy book for every orchardist. Sent free for your name and address.

THE BECK POWER SPRAYER

Some reasons why you should use a BECK POWER SPRAYER

First—The wide range of capacity possible to secure from the "BECK" line. Our smallest outfit, No. 200, is our Duplex pump and 2-h.p. engine, and has a capacity of 7 gallons of solution per minute. Our Duplex outfit No. 203 has a capacity of 9 gallons per minute and will supply six large round angle nozzles. No. 300, our Triplex outfit, will supply eight angle nozzles with a capacity of 12 gallons per minute. The largest power outfit manufactured is our Triplex No. 304, with a capacity of 15 gallons per minute.

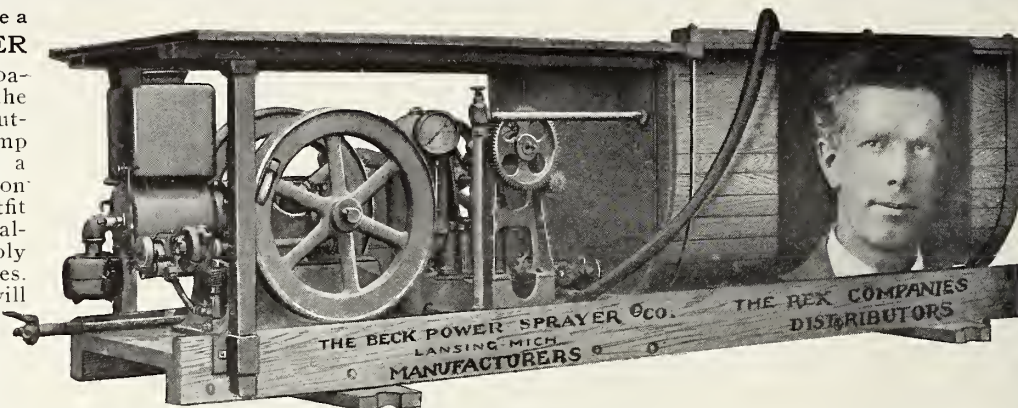
This machine will supply four open bordeaux nozzles at 300 pounds pressure. **Second**—We are the first firm to manufacture a line of pumps that will maintain an actual working pressure of 300 pounds. You know that this means more rapid work, and an economy of spray solution that can be obtained in no other way. No danger of breaking the pump, for it is tested to withstand a pressure of 500 pounds before it leaves the factory. The balance of the waterways with the displacement of the plungers and the passage capacity of the valves makes the pumps absolutely free from air cushions, and means that a rapid development of a steady high pressure is always possible.

Third—We had the only outfit at the National Horticultural Congress, Council Bluffs, Iowa, November 10 to 19, 1910, that could and did take the 30-minute test at a pressure of 300 pounds. In this test the "BECK" was the only machine that ran the full time of the trial without a stop or engine trouble, and it led its class by a score of 15 points over its nearest competitor, in capacity and general operation—the important features of a power outfit.

Mr. Grower, we know that you will want real reliability in your outfit, and we ask for a careful investigation of our machines.

WRITE FOR CATALOG AND PRICE LIST, MENTIONING "BETTER FRUIT"

THE BECK POWER SPRAYER COMPANY, Lansing, Michigan



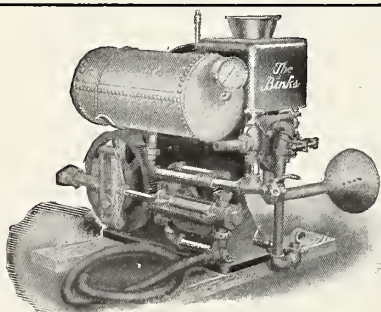
HEADQUARTERS FOR CENTURY SPRAY PUMPS

Hose, Nozzles, First-class Plumbing Supplies

C. F. SUMNER

Successor to Norton & Smith

HOOD RIVER, OREGON



Binks Sprayers are Good Sprayers
THE BINKS SPRAYING MACHINE CO.
Chicago

Editor Better Fruit:

After looking over the fruit situation of Southern Idaho the past few days I find the conditions run about as follows:

Early in the year our growers conceived the idea of using modern appliances for the purpose of battling with the elements. They therefore invested in smudge pots of various kinds and sizes and qualifications. The Oregon Short Line people were very kind to our growers and made them a special rate on crude oil, making it possible for each grower to supply himself with the necessary fuel for saving his crop if he so wished.

The live numbers took advantage of this opportunity and laid in a supply, also arranged with his friends and neighbors to assist him in the event of a killing frost. The local director of the Government Weather Bureau gave out the weather forecasts to the telephone companies, and they in turn reported the weather conditions on all rural lines at 12 o'clock, thus giving the farmers an opportunity to get ready for severe weather.

In addition to this feature the Independent Long Distance Telephone Company, with whom most of the farmers have connection, kept a special man at the desk during the frost season to receive reports during the night from the weather bureau, and in case of threatened danger call the parties throughout Southwestern Idaho, at all hours of the night, and inform them of conditions, so that by so doing our people saved their crop of apples, prunes, pears, peaches and berries.

We experienced a great deal of difficulty in securing box material, as well as crates and baskets in which to pack our fruit after having grown the same. This unfortunate condition was general throughout Southwestern Idaho. It seems that many of our box manufacturers sold more material than they were able to deliver, and since the average grower under-buys and the millmen over-sold, the outcome was disastrous.

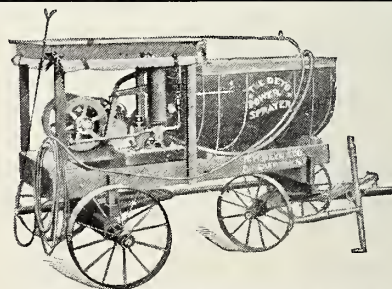
The fruits from this district found a ready market to the various parts of the world. Prunes going to all of the leading markets of the United States, as well as Glasgow, Liverpool and London, and in every instance commanded good prices, netting the grower from \$18 to \$25 per ton on the tree. Our apples were favored by finding a good market for the better varieties; such as Jonathans, Winesaps, Grimes Golden, Spitzenbergs and Newtowns returning a net price of from \$1.35 to \$1.65 to the grower, while other varieties ranged in price from 90 cents to \$1.40. It was my good fortune to attend the Third National Apple Show at Spokane, and was given the opportunity to look into the good as

well as the inferior qualities of the apples from the entire Northwest, and I feel that I make no mistake when I say that I consider the leading varieties of apples grown in Southern Idaho to equal those grown in any other section of this great coming fruit world.

Our growers are fast learning that it is the duty of one man to grow his fruit and see that same is grown to perfection, and that it is the duty of the second party to see that the said fruit is properly packed and marketed.

I am a great admirer of fruit growers' organizations, providing said organizations are conducted along business lines. That the growers bind themselves together in such a way as to protect their interests as well as the interests of the man who bids on their crop. I should, indeed, like to hear of the reorganization of what was once known as the Northwest Fruit Growers' Association, as I think that organization, when properly conducted, would lead to either another organization or cause, through the proper committees, a plan to be outlined for the purpose of handling the apples of the Northwest. At the present time this is a small problem, but with the wonderfully increased acreage and the natural inclination of one grower to undersell his neighbor, I think something of the marketing character will be an essential feature to be considered.

With wishes that 1911 be a most prosperous year for "Better Fruit," I remain, yours respectfully, C. J. Sinsel, Boise, Idaho.



DEYO POWER SPRAYERS

The first successful power spray outfit. Operated by either our 2 or 3-h. p. air-cooled engine. Nine years of success. If you do not know us, we refer you to thousands of the largest fruit growers. Satisfied customers are our reference. Outfit fully guaranteed. Write for Catalog No. 20. Devo-Macey Engine Company, Binghamton, N. Y.

Something you should know about Arsenate of Lead



Fig. 1

ALL Arsenate of Lead which meets with the various Government requirements is not of the same kind. There are two distinct forms of Arsenate of Lead, and the object of this advertisement is to show to the grower the difference between these two and enable him to make an intelligent selection of the kind best suited to his needs.

Neutral Arsenate of Lead is composed of arsenic and lead and prepared in such a manner that all the arsenic is thoroughly combined with

lead. This material is very light in gravity, settles very slowly in water, is fluffy and holds a large amount of water and when sprayed on foliage clings very tightly to it. On account of its fluffiness it has great covering power, and because the arsenic is thoroughly combined with lead it does not change its composition on exposure to the weather and so will not burn the most delicate foliage.

The second material is the acid Arsenate of Lead, in which only two-thirds of the arsenic is combined with lead, the other third being very loosely combined so as to form a precipitate which is insoluble in water at first, but which on exposure to the weather begins to disintegrate and give free arsenic, which will severely burn tender foliage. This material is much heavier in gravity, not so fluffy, will not hold as much water, settles much more rapidly in a spray mixture, and does not cover the area of foliage so thoroughly on account of its greater density. Such a material is suitable for

spraying forest or shade trees where foliage injury is not quite so important, but it is not adapted for spraying delicate fruit trees.

The photographs in this article illustrate the difference in the two forms of Arsenate of Lead: one is Sherwin-Williams New Process Arsenate of Lead, which is the highest type of an absolutely neutral, thoroughly combined lead arsenate, and the other is one of the typical brands of acid Arsenate of Lead offered in competition at a much

lower price, which shows very clearly the defects common to this form of Arsenate of Lead.

In the illustration shown by Fig. 1 we have a picture of these two forms of Arsenate of Lead stirred up in water and allowed to settle for fifteen minutes. The same quantity of paste is used in each case and diluted to the same total volume with water. Fig. 2 shows them after they had stood over night and settled all they could.

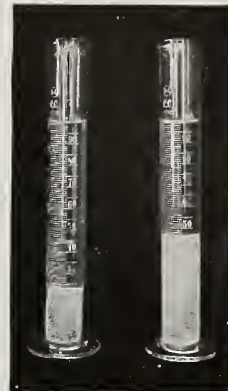


Fig. 2

After thoroughly settling, the bulk occupied by a given quantity of S-W New Process Arsenate of Lead is approximately 45 cubic centimeters, whereas the competitive material, in the acid form, is 20 cubic centimeters, showing two and one-quarter times the bulk for New Process Arsenate of Lead.

The facts given above plainly show the inadvisability of the orchardist using the cheaper grades on the delicate foliage of his fruit trees. There's no need to take chances. Use the best.

A TEST OF TWO DROPS

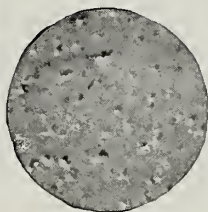


Fig. 3

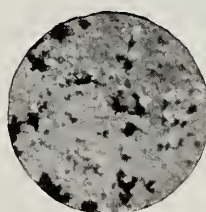


Fig. 4

Figs. 3 and 4 are micro-photographs magnified 30 times of a drop from each of these solutions stirred up and placed on glass. Fig. 3 shows that New Process Arsenate of Lead covers a given surface more thoroughly than the acid material, leaving no spaces between the particles. We also found that when dry the acid solution rubbed off the glass much easier, showing its adhesive qualities were not so good.

For the Horticulturist and the Fruit Grower there isn't a better spray than Sherwin-Williams New Process Arsenate of Lead. Send for prices on your Spring requirements.



THE SHERWIN-WILLIAMS Co.

MANUFACTURERS OF HIGHEST GRADE INSECTICIDES AND FUNGICIDES

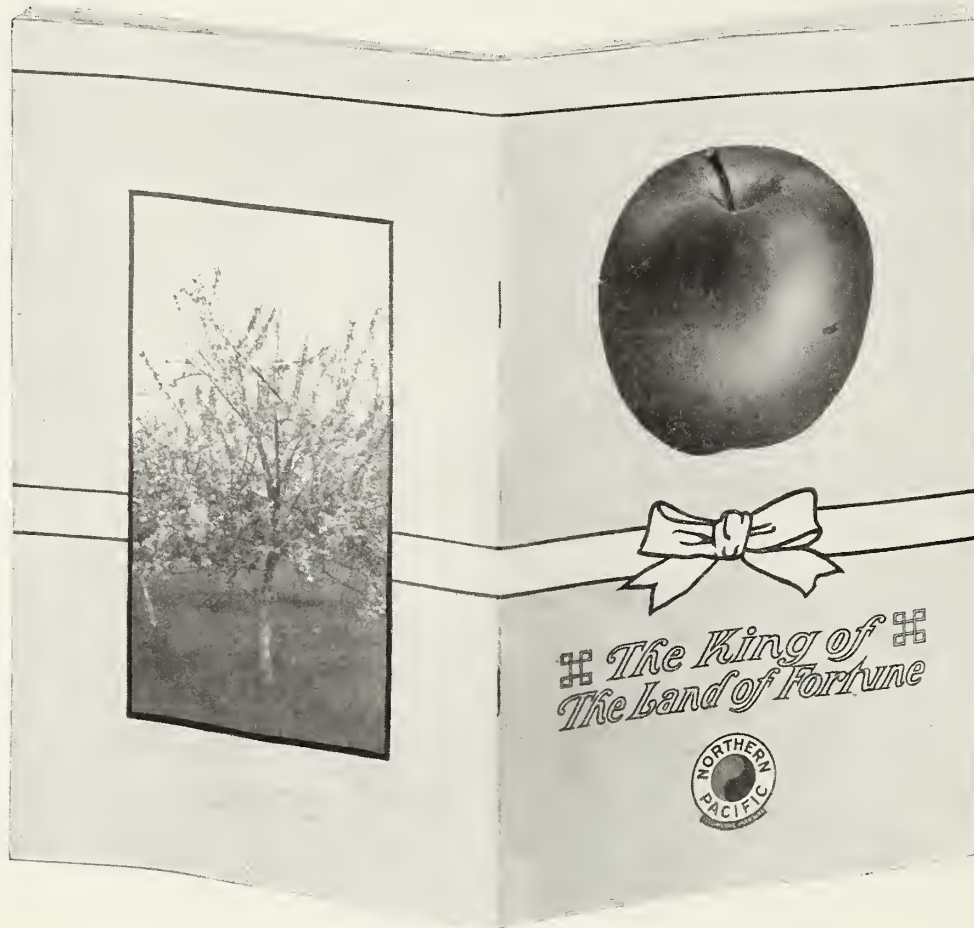
MAIN OFFICE---707 CANAL ROAD, CLEVELAND, OHIO

This valuable 120-page Book,

"Spraying—A Profitable Investment,"

SENT FREE





All About the Apple and the Valleys Where it Grows

Here is a book **worth money** to you. It will tell you of the profits to be made in apple growing in the Northwest. It is full of facts, figures and pictures. It is a valuable book to get and a pretty book to keep. It will be mailed to any address upon receipt of four cents in stamps. Just say you are interested in fruit culture and want to learn what the Northern Pacific country has to offer. Write to either one of these:

A. D. CHARLTON, Ass't Gen'l Pass'r Agent, 255 Morrison St., Portland, Oregon

L. J. BRICKER, General Immigration Agent, St. Paul, Minnesota

A. M. CLELAND, General Passenger Agent, St. Paul, Minnesota

Northern Pacific Railway

THE SCENIC HIGHWAY THROUGH THE LAND OF FORTUNE

Do You Spray? If so it will pay you to become acquainted with our LATEST Spraying Material

"BLACK LEAF 40"

THE "BIG BROTHER" TO OUR CELEBRATED
"BLACK LEAF" TOBACCO EXTRACT!

That is, "BIG BROTHER" in comparative strength (being nearly 14 times stronger), but "LITTLE BROTHER" in size—having only about one-twelfth the comparative shipping weight.

This means a big saving in handling — particularly over rough roads — one 10½-pound package producing 1,000 gallons of effective spraying material against green aphids, etc.

Owing to the large dilution, neither foliage nor fruit is stained.

Like our "BLACK LEAF" EXTRACT, "BLACK LEAF 40" may be applied when the trees are in full bloom and foliage, without damage to either.

Also "BLACK LEAF 40" is perfectly soluble in water—no clogging of nozzles.

"BLACK LEAF 40" is even less volatile than "BLACK LEAF" EXTRACT, being NICOTINE SULPHATE; and is guaranteed to contain not less than 40 per cent nicotine by weight.

"BLACK LEAF 40" has been extensively tested by various experiment stations, and our free leaflet contains a strong array of expert testimony. Write us for a copy. It will certainly interest you. Use the attached coupon.

PRICES:

10½-lb. can, \$12.50, makes 1000 gallons, containing "5/100 of 1 per cent Nicotine"

2½-lb. can, 3.25, makes 240 gallons, containing "5/100 of 1 per cent Nicotine"

½-lb. can, .85, makes 47 gallons, containing "5/100 of 1 per cent Nicotine"

Mail us this coupon "B"

TO SAVE YOU FREIGHT:
WRITE US FOR THE NAME OF OUR AGENT NEAREST YOU

**The Kentucky Tobacco
Product Co., Inc.**

Louisville, Kentucky

KENTUCKY TOBACCO PRODUCT CO.
Louisville, Kentucky.

Please send me your free leaflet containing
"A Strong Array of Expert Testimony." Also
address of agent nearest my station.

My name is

My address is



We are there

THIS is a photo of some of the trees we showed at the Third National Apple Show, Spokane, November 14-19, 1910. We did not attempt in the limited space assigned to us to show other than apple trees, and of these only ten of the leading varieties. What we did attempt to show, however, was representative samples of our standard sizes in apple trees, samples which we match up in their grades with trees delivered to our customers.

And the "Roo-oots"

Nurserymen have become accustomed to being placed in the Ananias Club, together with real estate men, successful Western orchardists and "live wires" generally, hence it did not hurt our feelings when about nine out of ten who looked at the wonderful root system on our trees doubted our word when we told them they were developed in eight months from transplanting in the nursery. It's a fact, nevertheless, and that's one of the reasons why we lay claim to superior stock.

Soil, climate, sunshine, cultivation, moisture—the five essential elements in the production of first-class trees.

Our trees have the benefit of all. Eliminate any one and you fail to get good results. The Yakima Valley and a kind Providence supply the first three, we supply the fourth, and all three of us work together to supply the fifth. The result is found in our perfectly rooted, fully matured trees, which are entirely free from pest or disease, the latter due to our isolation from old pest-breeding orchards or forest trees, such as are found in many less favored localities.

This month (January, 1911) we are in the midst of our winter grafting, which will include over two and a half million apple and crab and about 250,000 pear. Our scions are procured from bearing orchards, and this year we grew all our own seedling stock, the finest we have ever used.

We welcome visitors at any time. There's always something of interest going on here, winter and summer. Order, system and efficiency get bigger results in the nursery business than in many other industries, and you, the customer, should know that the nursery from which you obtain your trees has all three. It's our pride to grow the best. Our customers can tell you better than can we whether or not we make good.

PLACE YOUR ORDER NOW FOR SPRING DELIVERY
IF OUR SALESMAN MISSES YOU, DROP US A LINE

Washington Nursery Company

TOPPENISH, WASHINGTON

Salesmen Everywhere

More Wanted

COMPETITION OUR STRONGEST
ADVERTISEMENT FOR

THE TROUTMAN ORCHARD HEATERS



The one great issue in orchard heating is the question, "HOW MUCH HEAT WILL A HEATER PRODUCE FOR THE QUANTITY OF FUEL CONSUMED?"

The Troutman Orchard Heaters, owing to the center draft combustion, give fifty per cent more heat for every gallon of oil consumed, than any other device on the market.

There are many things to be considered in purchasing an orchard heater, but the "Consumption of Fuel" is the all important point, and all other matters fade into insignificance in comparison with this one vital feature. The Troutman Heaters equal, if they do not surpass, all other devices in regard to the small details that go to make up an orchard heater. AND IN THE ALL IMPORTANT POINT, THAT OF FUEL CONSUMPTION, they outstrip all other devices. **THEY HAVE NO EQUAL.**

Our competitors realize this, and they know they cannot meet us on this ground, and, therefore, they dodge the main issue, bringing the "trivial" features into the limelight, in the hope of deceiving the growers as to the great question.

The Troutman Heaters are perfected in every detail of construction, and there is no heater that is manufactured with greater care, or that will last longer in practical work. The base protects the bottom of the heater from coming in contact with the ground, which would have a tendency to rust the heater, making it worthless.

So as to meet all requirements of the orchardists, under all conditions, we manufacture heaters holding from five quarts to six gallons, and that burn without refilling as long as thirty-five hours.

Our heaters are equipped with wind-proof covers. Our galvanized heaters will last double the length of time and cost but slightly more than plain black iron heaters. Our small fruit attachment is the only heater devised for the protection of small fruits and vegetables.

In an attempt to sell their device some of our competitors, not being able to meet us squarely on the ground of efficiency, are endeavoring to discredit our heater in some of the minor details. These statements in regard to the Troutman Heaters are absolutely false, and have no foundation, except questionable business methods.

Has a reader of "Better Fruit" ever known of a business being a success that was carried on by knocking a competitor? We do not know of a single case.

We wish to caution the growers against advertisements full of "knocks." No concern will ever knock if their article will stand the test of practical work.

It has never been necessary for us to belittle a competitor to sell our goods. We believe in conducting our business in an honorable manner. We wish to state right here that whenever any orchard heater company wishes a competitive test we are perfectly willing to enter. All that is necessary is to address us at Canon City. Such a communication will receive our prompt attention. We do not believe in issuing challenges, as ninety-five per cent of the challenges issued are for effect only, and the growers know it.

In response to a challenge, however, in the November issue of this paper, we wrote the letter printed below. The accompanying table shows an official test between our heater and this other, made several years ago. Affidavits as to this record can be obtained by writing to the chairman of the orchard heating committee of this place, Mr. James Turnbull.

THE TIME HAS COME. WHAT ARE YOU GOING TO DO?

The time for discussion has passed; the time to act is here! Frost will not wait for you to get ready. You must be prepared before your fruit buds are in danger.

By placing your orders now you will insure prompt delivery. The Troutman Heaters stand as the "World's standard of efficiency and economy." They are in use in thirty states and several foreign countries. Our customers are numbered among the most prominent growers of the age. Send for our year book, price list, and bulletin of the government's endorsement, then send us your orders for heaters, rapid lighters, and thermometer alarms.

Rules for Competitive Orchard Heating Tests

How Orchard Heating Tests Should Be Made

First, select an orchard where there is at least five acres exactly alike as to the number of trees to the acre, age of trees, etc.

Second, give each kind of heater one acre of ground to heat.

Third, see that the blocks of heaters are not within 200 feet of each other, to prevent any possibility of one block affecting the other.

Fourth, give each block of heaters 100 gallons of oil, and fill each heater with same quantity of oil.

Fifth, place the number of pots to the acre that is recommended by the manufacturer.

Sixth, place the heaters at equal distances over the acre.

Seventh, continue the test for six hours.

Eighth, use nothing but government, or government registered thermometers, and see that all are compared with one another.

Ninth, use at least three thermometers to the block.

Tenth, place one thermometer in the very center of the center square of heaters in each block. Place the other two thermometers wherever desired, but be sure they are in the center of the square of heaters it occupies, and be sure the thermometers are hung in the corresponding square in each block of heaters. See that the thermometers are hung the same distance above the ground in each case.

Eleventh, take temperature readings at least once every half hour.

Twelfth, measure any oil that may be left over after the six hours' burning.

Thirteenth, make the test on a still night. A repetition of the test may be desirable on another night.

Let the result of the test be the average temper-

ature during the six-hour period, and the amount of oil consumed.

In placing your outside thermometers have two or three, placed on different sides of the heated block, not closer than 200 feet to any heated block.

Our committee found that to get accurate results the above rules had to be adhered to.

Published by permission of the Committee on Orchard Heating, James Turnbull, chairman, 1908.

Canon City, Colorado, Nov. 29, 1910.
The Frost Prevention Company,
214 Balboa Building,
San Francisco, California.

Gentlemen: We notice in the November issue of "Better Fruit," on page 67, your challenge to all orchard heater companies to a demonstration with not less than 300 heaters. We also notice in the "California Cultivator" of November 17, on page 470, your statement that your competitors have refused to compete with you.

We take pleasure in accepting your challenge for a competitive test; said tests to be made by disinterested parties and along the lines of the rules which we enclose. These rules are compiled with a view of being fair to all.

The test should be made along the lines of how much heat each heater will produce with a certain quantity of fuel.

At any time you desire, we will be pleased to have your representative meet our representative and arrange the details of said competitive test. Yours truly,

The Round Crest Orchard Heater Co.



LARD PAIL HEATERS

PRICE TWELVE CENTS

This heater is the equal of all other heaters not having the center draft. That is to say, it will produce the same amount of heat for every gallon of oil that other devices do.

Professor O'Gara says in his article in October "Better Fruit" that **THE LARD PAIL HEATER IS THE EQUAL OF THE BOLTON OR OTHER SUCH HEATERS.** Then why buy a more expensive heater. This heater holds five quarts of oil. If you want a cheap heater buy this one.

HEATING TEST

Made at Canon City November 21, 1908, by
Orchard Heating Committee.

Test made on two separate acres, 100 pots to the acre. One-half Troutman pots and one-half Bolton pots were used. All pots placed at equal distance apart and all filled with one gallon of oil.

Registered thermometers used, hung in the center of a square of pots, hung inside and outside of the heated area, as per following headings. All pots lighted at 7:40 p. m. Rows of pots, north and south; Troutman to the west, Bolton to the east. Slight westerly wind. Temperature of outside air registered by thermometer several hundred feet west of pots.

Ground frozen and trees bare of all foliage, making it harder to raise temperature than when trees are in bloom or leaf.

Time	Tempera- ture of Outside Air	Center Troutman Pots		Center Bolton Pots	
		Raise		Raise	
7:30	35	35		35	
8:00	33	42-9		42-9	
8:30	33	41-8		41-8	
9:00	34	39-5		39-5	
9:30	32	38-6		39-7	
10:00	26	34-8		33-7	
10:30	28	36-8		36-8	
11:00	26	34-8		33-7	
11:30	28	36-8		31-3	
12:00	29	37-8			
12:30	29	35-6			

Bolton pots burned out: At 11 p. m., 15; at 11:30, 70; at 12 midnight, all out. Troutman pots burned out: At 12:30 a. m., 6.

THE ROUND CREST ORCHARD HEATER COMPANY, Canon City, Colorado

THE GREAT OBJECTION

Of the average man who wants to own an Orchard Home is the fear of *isolation* and consequent lack of schools, churches and other advantages to which he and his family have been accustomed

**We Have
the Best:**

Soil, Climate
Water
Scenery
Transportation
Natural
Resources



**We do not
have:**

Killing Frosts
Heavy Snows
Sand Storms
Excessive
Heat
Severe Cold
Malaria

We Have Overcome All the Above Objections

In our subdivision of the magnificent *Ashland Orchard Tracts* immediately adjoining the *Beautiful and Prosperous City of Ashland* in the famous *Rogue River Valley*. A perfect tract of two thousand acres in and adjoining a city of homes and schools in a valley of sunshine and fortune

Plats and Descriptive Matter Upon Request

Ashland Suburban Orchards Syndicate

Ashland, Oregon